

## ARRB2 Knockout cell line (TPC-1)

**Catalog Number:** KOA63235

| Product Information        |                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | ARRB2 Knockout cell line (TPC-1)                                                                                                                                        |
| specification              | 1*10 <sup>6</sup>                                                                                                                                                       |
| Storage and transportation | Shipped on dry ice; Store in liquid nitrogen                                                                                                                            |
| Cell morphology            | Epithelial-like, adherent                                                                                                                                               |
| Passage ratio              | 1:5-1:8                                                                                                                                                                 |
| species                    | Human                                                                                                                                                                   |
| Gene                       | ARRB2                                                                                                                                                                   |
| Gene ID                    | 409                                                                                                                                                                     |
| Build method               | Electroporation/Lentivirus                                                                                                                                              |
| Mycoplasma testing         | negative                                                                                                                                                                |
| Cultivation system         | 90%DMEM+10%FBS                                                                                                                                                          |
| Price (USD)                | Inquiry                                                                                                                                                                 |
| Parental Cell Line         | TPC-1                                                                                                                                                                   |
| Quality Control            | Genotype: ARRB2 Knockout cell line (TPC-1)>95% viability before freezing. All cells were tested and found to be free of bacterial, viruses,mycoplasma and other toxins. |

| Gene Information        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Gene Official Full Name | arrestin beta 2provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Also known as           | ARB2; ARR2; BARR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Description        | Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 2, like arrestin beta 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012] |
| Expression              | Broad expression in bone marrow (RPKM 69.2), appendix (RPKM 43.9) and 21 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

