

## ISYNA1 Knockout cell line (HEK293)

Catalog Number: KO03344

| Product Information        |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | ISYNA1 Knockout cell line (HEK293)                                                                                                                                          |
| specification              | 1*10 <sup>6</sup>                                                                                                                                                           |
| Storage and transportation | Dry ice preservation/T25 live cell transportation.                                                                                                                          |
| Cell morphology            | Epithelioid, adherent cell                                                                                                                                                  |
| Passage ratio              | 1:3~1:6                                                                                                                                                                     |
| species                    | Human                                                                                                                                                                       |
| Gene                       | ISYNA1                                                                                                                                                                      |
| Gene ID                    | 51477                                                                                                                                                                       |
| Build method               | Electric rotation method / virus method                                                                                                                                     |
| Mycoplasma testing         | Negative                                                                                                                                                                    |
| Cultivation system         | 90%DMEM+10% FBS                                                                                                                                                             |
| Parental Cell Line         | HEK293                                                                                                                                                                      |
| Quality Control            | Genotype: ISYNA1 Knockout cell line (HEK293) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses, mycoplasma and other toxins. |

| Gene Information        |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Official Full Name | inositol-3-phosphate synthase 1provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                              |
| Also known as           | IPS; INO1; INOS; IPS 1; IPS-1                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Description        | This gene encodes an inositol-3-phosphate synthase enzyme. The encoded protein plays a critical role in the myo-inositol biosynthesis pathway by catalyzing the rate-limiting conversion of glucose 6-phosphate to myoinositol 1-phosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 4. [provided by RefSeq, Nov 2011] |
| Expression              | Broad expression in testis (RPKM 72.6), placenta (RPKM 57.0) and 14 other tissues See more                                                                                                                                                                                                                                                                                                                                                                   |