

## EEF1E1 Knockout cell line (A549)

Catalog Number: KO05541

| Product Information        |                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | EEF1E1 Knockout cell line (A549)                                                                                                                                          |
| specification              | 1*10 <sup>6</sup>                                                                                                                                                         |
| Storage and transportation | Dry ice preservation/T25 live cell transportation.                                                                                                                        |
| Cell morphology            | Epithelioid, adherent cell                                                                                                                                                |
| Passage ratio              | 1:3~1:4                                                                                                                                                                   |
| species                    | Human                                                                                                                                                                     |
| Gene                       | EEF1E1                                                                                                                                                                    |
| Gene ID                    | 9521                                                                                                                                                                      |
| Build method               | Electric rotation method / virus method                                                                                                                                   |
| Mycoplasma testing         | Negative                                                                                                                                                                  |
| Cultivation system         | 90% F12K+10% FBS                                                                                                                                                          |
| Parental Cell Line         | A549                                                                                                                                                                      |
| Quality Control            | Genotype: EEF1E1 Knockout cell line (A549) >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 | eukaryotic translation elongation factor 1 epsilon 1provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Also known as           | P18; AIMP3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description        | <p>This gene encodes a multifunctional protein that localizes to both the cytoplasm and nucleus. In the cytoplasm, the encoded protein is an auxiliary component of the macromolecular aminoacyl-tRNA synthase complex. However, its mouse homolog has been shown to translocate to the nucleus in response to DNA damage, and it plays a positive role in ATM/ATR-mediated p53 activation. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream MUTED (muted homolog) gene. An EEF1E1-related pseudogene has been identified on chromosome 2. [provided by RefSeq, Dec 2010]</p> |
| Expression              | Ubiquitous expression in testis (RPKM 14.5), kidney (RPKM 11.4) and 25 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |