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EEF1B2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02381

Basic Information

Catalog No.
RM02381

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
EEF1B2

Species
Human

Gene ID
1933

Swiss Prot
P24534

Synonyms
EEF1B; EEF1B1; EF1B

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Background

This gene encodes a translation elongation factor. The protein is a guanine nucleotide exchange factor involved in the transfer of aminoacylated tRNAs to the ribosome. Alternative splicing results in three transcript variants which differ only in the 5' UTR. [provided by RefSeq, Jul 2008]

Product Information

Description
EEF1B2 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:exon1 was deleted
Allele-2:exon1 was deleted
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Lysate is stable for 12 months when stored at -20℃. Minimizing freeze-thaw cycles.

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Sequencing data

WT CCTTTTTCCTCTCT**********GGACGGGCTGAGTC
Mut CCTTTTTCCTCTCT***Deletion***GGACGGGCTGAGTC
Allele-1: exon1 was deleted

WT CCTTTTTCCTCTCT**********GGACGGGCTGAGTC
Mut CCTTTTTCCTCTCT***Deletion***GGACGGGCTGAGTC
Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and EEF1B2 knockout (KO) 293T cells, using sanger sequencing.