Elongation Factor 1-Delta (EEF1D) ELISA Kit for Cavy

PRODUCT OVERVIEW

Product Name	Elongation Factor 1-Delta (EEF1D), ELISA Kit
Full Product Name	Cavy Elongation Factor 1-Delta (EEF1D) ELISA Kit
Product Gene Name	EEF1D elisa kit
Species Reactivity	Cavy
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	29,071 Da
OMIM	130592
Related Product Information for EEF1D elisa kit	MBS9360459 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Elongation Factor 1-Delta (EEF1D) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing EEF1D. The ELISA analytical biochemical technique of the MBS9360459 kit is based on EEF1D antibody-EEF1D antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect EEF1D antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, EEF1D. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of EEF1D elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EEF1D. It may not necessarily be applicable to this product.

NCBI GI #	960139298
NCBI GeneID	1936
NCBI Accession #	NP_001304672.1
UniProt Secondary Accession #	Q4VBZ6; Q969J1; Q96I38; B4DDU4; D3DWK3; E9PBQ9
UniProt Related Accession #	P29692
GenBank Nucleotide #	NM_001317743.1
NCBI Official Full Name	elongation factor 1-delta isoform 4
NCBI Official Synonym Full Names	eukaryotic translation elongation factor 1 delta
NCBI Official Symbol	EEF1D
NCBI Official Synonym Symbols	EF1D; EF-1D; FP1047
UniProt Protein Name	Elongation factor 1-delta
UniProt Synonym Protein Names	Antigen NY-CO-4
Protein Family	Elongation factor
UniProt Gene Name	EEF1D
UniProt Synonym Gene Names	EF1D; EF-1-delta

UniProt Entry Name	EF1D_HUMAN
NCBI Protein Information	elongation factor 1-delta
NCBI Summary for EEF1D	This gene encodes a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit, delta, functions as guanine nucleotide exchange factor. It is reported that following HIV-1 infection, this subunit interacts with HIV-1 Tat. This interaction results in repression of translation of host cell proteins and enhanced translation of viral proteins. Several alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. Related pseudogenes have been defined on chromosomes 1, 6, 7, 9, 11, 13, 17, 19.[provided by RefSeq, Aug 2010]
UniProt Comments for EEF1D	EEF1D: EF-1-beta and EF-1-delta stimulate the exchange of GDP bound to EF-1-alpha to GTP. Belongs to the EF-1-beta/EF-1-delta family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Translation; Translation elongation Chromosomal Location of Human Ortholog: 8q24.3 Cellular Component: cytoplasm; cytosol; endoplasmic reticulum; eukaryotic translation elongation factor 1 complex; nucleolus; nucleus Molecular Function: DNA binding; heat shock protein binding; protein binding; signal transducer activity; transcription activator binding; translation elongation factor activity; translation factor activity, nucleic acid binding Biological Process: cellular protein metabolic process; gene expression; mRNA transcription; positive regulation of I-kappaB kinase/NF-kappaB cascade; regulation of transcription, DNA-dependent; signal transduction; transcription, DNA-dependent; translation; translational elongation
Research Articles on EEF1D	**1.** our results demonstrate that EEF1D is a bona fide physiological CK2 substrate for CK2 phosphorylation
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