

EEF1D Human

Recombinant Human Eukaryotic Translation Elongation Factor 1 Delta

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Overview

Synonyms	Elongation factor 1-delta, EF-1-delta, Antigen NY-CO-4, EEF1D, EF1D, EF-1D, FP1047, FLJ20897.
Introduction	Eukaryotic translation elongation factor 1 delta (EEF1D) is a subunit of the elongation factor-1 complex that is responsible for the enzymatic transport of aminoacyl tRNAs to the ribosome. EEF1D functions as guanine nucleotide exchange factor. EEF1D interacts with HIV-1 Tat, and consequently represses the translation of host-cell, but not HIV-1, mRNAs. EEF1D overexpression is linked to oesophageal carcinoma and may negatively influence the outcome of medulloblastomas.
Description	EEF1D Human Recombinant fused with a20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 301 amino acids (1-281 a.a.) and having a molecular mass of 33.2kDa (Molecular weight on SDS-PAGE will appear as 33.2kDa).
Source	E.coli
Purity	Greater than 90.0% as determined by SDS-PAGE.

Properties

Physical Appearance	Sterile Filtered colorless solution.
Species	Human
Formulation	The EEF1D solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MATNFLAHEK IWFDKFKYDD AERRFYEQMN GPVAGASRQE NGASVILRDI ARARENIQKS LAGSSGPGAS SGTSGDHGEL VVRIASLEVE NQSLRGVVQE LQQAISKLEA RLNVLEKSSP GHRATAPQTQ HVSPMRQVEP PAKKPATPAE DDEDDIDLF GSDNEEEDKE AAQLREERLR QYAEKKAKKP ALVAKSSILL DVKPWDEDET MA

Storage

Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
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