

EEF1D, 1-281aa, Human, His tag, E.coli

Cat.NO.: TP01971

3th Edition

Synonyms:Eukaryotic translation elongation factor 1 delta, EF-1D, EF1D

Description:Eukaryotic translation elongation factor 1 delta, also known as EEF1D, is a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit functions as guanine nucleotide exchange factor. It is reported that this subunit interacts with HIV-1 Tat, and thus it represses the translation of host-cell, but not HIV-1, mRNAs.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol

Molecular Weight:33.2 kDa (301aa) confirmed by MALDI-TOF(Molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMATNFLAHEKIWFDFKFDYDDAERRFYEQMNGPVAGASRQENGASVILRDIARAR
ENIQKSLAGSSGPGASSGTSGDHGELVVRIASLEVENQSLRGVVQELQQAIKLEARLNVLEKSSPGHRATAPQTQ
HVSPMRQVEPPAKKPATPAEDDEDDIDLFGSDNEEEDKEAAQLREERLRQYAEKKAKKPALVAKSSILLDVKPWD
DETDMAQLEACVRSIQLDGLVWGASKLVPVGYGIRKLQICVVEDDKVGTDLLEEEITKFEEHVQSVDIAAFNKI

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.