

**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:**

MGSSHHHHHHSSGLVPRGSHMATNFLAHEKIWFDFKFKYDDAERRFYEQMNGPVAGASRQENGASVILRDIARAR  
ENIQKSLAGSSGPGASSGTSGDHGELVVRIASLEVENQSLRGVVQELQQAISKLEARLNVLEKSSPGHRATAPQTQ  
HVSPMRQVEPPAKKPATPAEDDEDDIDLFGSDNEEDKEAAQLREERLRQYAEKKAKKPALVAKSSILLDVKPWD  
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.