

32-3711: EEF1E1 Recombinant Protein

Alternative Name : Eukaryotic translation elongation factor 1 epsilon-1, Aminoacyl tRNA synthetase complex-interacting multifunctional protein 3, Elongation factor p18, Multisynthase complex auxiliary component p18, EEF1E1, AIMP3, P18.

Description

Source : Escherichia Coli. EEF1E1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 194 amino acids (1-174 a.a.) and having a molecular mass of 21.9kDa. EEF1E1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Eukaryotic translation elongation factor 1 epsilon-1 (EEF1E1) shares sequence similarity with the amino-terminal ends of the Beta and Gamma subunits of EF-1. By specifically interacting with MetRS, EEF1E1 binds to a macromolecular tRNA synthetase complex which catalyzes the ligation of specific amino acids to their cognate tRNAs. Upon DNA damage, EEF1E1 translocates to the nucleus where it interacts with ATM and ATR, resulting in p53 activation.

Product Info

Amount : 20 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The EEF1E1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol 0.1M NaCl and 1mM DTT.
Storage condition : EEF1E1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MAAAELSL EKSGLSKGN KYSAQGERQI PVLQTNNGPS LTGLTTIAAH LVKQANKEYL LGSTAEKAI VQWLEYRVT QVDGHSSKND IHTLLKDLNS YLEDKVYLTG YNFTLADILL YYGLHRFIVD LTVQEKEYL NVSRWFCHIQ HYPGIRQHLS SVVFIKRNRLY TNSH.

