9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

EEF1E1 Human

Eukaryotic Translation Elongation Factor 1 Epsilon 1 Human Recombinant RCP0708

Product Overview

Name	EEF1E1 Human

Description

Eukaryotic Translation Elongation Factor 1 Epsilon 1 Human Recombinant

Accession (Primary)	O43324

Synonyms

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.

Introduction

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 synthtase 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The EEF1E1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol 0.1M NaCl and 1mM DTT.

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MAAAAELSLL EKSLGLSKGN KYSAQGERQI PVLQTNNGPS LTGLTTIAAH LVKQANKEYL LGSTAEEKAI VQQWLEYRVT QVDGHSSKND IHTLLKDLNS YLEDKVYLTG YNFTLADILL YYGLHRFIVD LTVQEKEKYL NVSRWFCHIQ HYPGIRQHLS SVVFIKNRLY TNSH.

Precautions

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EEF1E1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43324)