

Recombinant Human EIF3E

Cat. No. EIF3E-26385TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human eIF3e with N terminal proprietary tag; Predicted MWt 75.02 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	445 amino acids
Description	eIF3e is part of the eIF3 complex, which is composed of at least 12 subunits. It binds the 40S ribosome and promotes the binding of methionyl-tRNA _i and mRNA. It can bind the COP9 signalosome and the 26S proteasome, possibly having regulatory functions in both protein translation and degradation. Reducing its expression by RNA interference in HeLa cells markedly alters mitosis progression and defects in spindle formation, chromosome segregation and cytokinesis are observed.
Molecular Weight	75.020kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MAEYDLTTRIAHFDRHLVFPILLEFLSVKEIYNEKELLQG KDLLSDTNMVDVFAMDVY
 KNLYSDDIPHALREKRRTTVVAQ LKQLQAETEPVVKMFEDPETTRQMQSTRDGRMLF
 DYLDK HGFRQEYLDTLRYAKFQYECGNYSGAAEYLYFFRVLVPA TDRNALSSL
 WGKLASEILMQNWDAAEDLTRLKETIDNNS VSSPLQSLQQRTWLIHWSLFVFFNH
 PKGRDNIIDFLYQP QYLNAIQTMCPHILRYLTTAVITNKDVRKRRQVLKDLVKV IQQ
 ESYTYKDPITEFVECLYVNFDFDGAQKKLRECESVLV NDFFLVACLEDFIENARLFIF
 ETFCRIHQCSINMLADKL NMTPEEAERWIVNLRNARLDAKIDSKLGHVVMGNNAVS
 P YQQVIEKTKSLSFRSQMLAMNIEKKNQNSRSEAPNWATQ DSGFY

GENE INFORMATION

Gene Name EIF3E eukaryotic translation initiation factor 3, subunit E [Homo sapiens]

Official Symbol EIF3E

Synonyms EIF3E; eukaryotic translation initiation factor 3, subunit E; EIF3S6, eukaryotic translation initiation factor 3, subunit 6 48kDa , INT6; eukaryotic translation initiation factor 3 subunit E; eIF3 p48; eIF3e;

Gene ID 3646

mRNA Refseq NM_001568

Protein Refseq NP_001559

MIM 602210

Uniprot ID P60228

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**Chromosome
Location**

8q22-q23

Pathway

Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem; Formation of the ternary complex, and subsequently, the 43S complex, organism-specific biosystem;

Function

protein N-terminus binding; protein binding; translation initiation factor activity; contributes_to translation initiation factor activity; contributes_to translation initiation factor activity;

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