

# Recombinant Full Length Human EIF3E Protein

**Cat. No.** EIF3E-143HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant full length Human eIF3e with N terminal proprietary tag; Predicted MWt 75.02 kDa inclusive of tag.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | In Vitro Cell Free System   |
| <b>ProteinLength</b>    | 445 amino acids   |
| <b>Description</b>      | 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 <sub>i</sub> 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. |
| <b>Form</b>             | Liquid  |
| <b>Molecular Mass</b>   | 75.020kDa inclusive of tags   |
| <b>AA Sequence</b>      | MAEYDLTTRIAHFDRHLVFPILLEFLSVKEIYNEKELLQG KDLLSDTNMVDVFAMDVY<br>KNLYSDDIPHALREKRRTTVVAQ LKQLQAETEPIVKMFEDPETTRQMQRDGRMLF<br>DYLADK HGFRQEYLDTLRYAKFQYECGNYSGAAEYLYFFRVLVPA TDRNALSSL<br>WGKLASEILMQNWDAAEMDLTRLKETIDNNS VSSPLQSLQQRWLIHWSLFFVFNH<br>PKGRDNIIDFLYQP QYLNAIQTMCPHILRYLTTAVITNKDVRKRRQVLKDLVKV IQQ  |

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ESYTYKDPITEFVECLYVNFDFDGAQKKLRECESVLV NDFFLVACLEDFIENARLFIF  
 ETFCRIHQCSINMLADKL NMTPEEAERWIVNLIRNARLDAKIDSKLGHVVMGNNAVS  
 P YQQVIEKTKSLSFRSQMLAMNIEKKLNQNSRSEAPNWATQ DSGFY

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## 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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