Recombinant Human EIF3E

Cat. No. EIF3E-26384TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 346-445 of Human eIF3e with an N terminal proprietary tag; Predicted MWt 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 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-tRNAi 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	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	cycles.
Sequences of amino acids	RIHQCISINMLADKLNMTPEEAERWIVNLIRNARLDAKIDSKLGHVVMGNNAVSPYQQ VIEKTKSLSFRSQMLAMNIEKKLNQNSRSEAPNWATQDSGFY

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
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-

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	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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