Recombinant Human EIF3D, His-tagged

Cat. No. EIF3D-26387TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 148-330 of Human EIF3D with an N terminal His tag; Predicted MWt 22 kDa.
Species	Human
Source	E.coli
ProteinLength	148-330 a.a.
Description	Eukaryotic translation initiation factor-3 (eIF3), the largest of the eIFs, is a multiprotein complex composed of at least ten nonidentical subunits. The complex binds to the 40S ribosome and helps maintain the 40S and 60S ribosomal subunits in a dissociated state. It is also thought to play a role in the formation of the 40S initiation complex by interacting with the ternary complex of eIF2/GTP/methionyl-tRNA, and by promoting mRNA binding. The protein encoded by this gene is the major RNA binding subunit of the eIF3 complex.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 84 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	QKWDQKSQKPRDSSVEVRSDWEVKEEMDFPQLMKMRYLEV SEPQDIECCGALEY YDKAFDRITTRSEKPLRSIKRIFH TVTTTDDPVIRKLAKTQGNVFATDAILATLMSCTR SVY SWDIVVQRVGSKLFFDKRDNSDFDLLTVSETANEPPQD EGNSFNSPRNLAME ATYINHNFSQQCLRM
Sequence Similarities	Belongs to the eIF-3 subunit D family.

GENE INFORMATION

Gene Name	EIF3D eukaryotic translation initiation factor 3, subunit D [Homo sapiens]
Official Symbol	EIF3D
Synonyms	EIF3D; eukaryotic translation initiation factor 3, subunit D; EIF3S7, eukaryotic translation initiation factor 3, subunit 7 zeta, 66/67kDa; eukaryotic translation initiation factor 3 subunit D; eIF3 p66; eIF3 zeta; eIF3d;
Gene ID	8664
mRNA Refseq	NM_003753
Protein Refseq	NP_003744
MIM	603915
Uniprot ID	O15371
Chromosome Location	22q13.1
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and

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	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 binding; contributes_to translation initiation factor activity; contributes_to translation initiation factor activity;

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