

Recombinant Human EIF3F Protein (A2-L357), Tag Free

Cat. No. EIF3F-0309H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-EIF3S5(A2-L357 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	A2-L357
Description	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein

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Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	EIF3F eukaryotic translation initiation factor 3, subunit F [Homo sapiens (human)]
Official Symbol	EIF3F
Synonyms	EIF3F; eukaryotic translation initiation factor 3, subunit F; EIF3S5, eukaryotic translation initiation factor 3, subunit 5 epsilon, 47kDa; eukaryotic translation initiation factor 3 subunit F; eIF3 epsilon; eIF3 p47; eIF3f; eIF3-epsilon; eIF-3-epsilon; eukaryotic translation initiation factor 3, subunit 5 epsilon, 47kDa; eukaryotic translation initiation factor 3, subunit 5 (epsilon, 47kD); EIF3S5; eIF3-p47;
Gene ID	8665
mRNA Refseq	NM_003754
Protein Refseq	NP_003745
MIM	603914

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UniProt ID

O00303

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