

Eukaryotic translation initiation factor 3 subunit G Recombinant Protein | EIF3G recombinant protein

Recombinant Human Eukaryotic translation initiation factor 3 subunit G

CATALOG # AAA115290	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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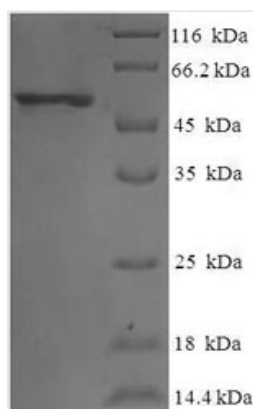
PRODUCT SYNONYMS

Eukaryotic translation initiation factor 3 subunit G; Recombinant Human Eukaryotic translation initiation factor 3 subunit G; Eukaryotic translation initiation factor 3; EIF3G recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-320; Full Length of Mature Protein
Sequence	PTGDFDSKPS WADQVEEEGE DDKCVTSELL KGIPLATGDT SPEPELLPGA PLPPPKEVIN GNIKTVTEYK IDEDGKKFKI VRTFRIETRK ASKAVARRKN WKKFGNSEFD PPGPNVATTT VSDDVSMTFI TSKEDLNCQE EEDPMNKLKG QKIVSCRICK GDHWTRCPY KDTLGPMQKE LAEQLGLSTG EKEKLPGELE PVQATQNKTG KYVPPSLRDG ASRRGESMQP NRRADDNATI RVTNLSEDTR ETDLQELFRP FGSISRIYLA KDKTTGQSKG FAFISFHRRE DAARAAGVS GFGYDHLILN VEWAKPSTN
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for EIF3G recombinant protein

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 preinitiation 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. This subunit can bind 18S rRNA.

Product Categories/Family for EIF3G recombinant protein	Metabolism
References	Characterization of cDNAs encoding the p44 and p35 subunits of human translation initiation factor eIF3. Block K.L., Vornlocher H.-P., Hershey J.W.B.J. Biol. Chem. 273:31901-31908(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	49472822
NCBI GeneID	8666
NCBI Accession #	NP_003746.2
NCBI GenBank Nucleotide #	NM_003755.3
UniProt Accession #	O75821 ; O14801 ; Q969U5
Molecular Weight	51.5 kDa
NCBI Official Full Name	eukaryotic translation initiation factor 3 subunit G
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3 subunit G
NCBI Official Symbol	EIF3G
NCBI Official Synonym Symbols	EIF3S4; EIF3-P42; eIF3-p44; eIF3-delta
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit G
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit G
UniProt Gene Name	EIF3G
UniProt Synonym Gene Names	eIF3g; eIF-3 RNA-binding subunit
UniProt Entry Name	EIF3G_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/eif3g-recombinant-protein-e-coli/115290>