Recombinant Human Eukaryotic translation initiation factor 3 subunit G(EIF3G)

Catalog No: #AP70263

Package Size: #AP70263-1 20ug #AP70263-2 100ug #AP70263-3 1mg

Signalway Antibody
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Description

Product Name	Recombinant Human Eukaryotic translation initiation factor 3 subunit G(EIF3G)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-320aaSequence Info:Full Length
Other Names	Eukaryotic translation initiation factor 3
Accession No.	O75821
Calculated MW	51.5 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	PTGDFDSKPSWADQVEEEGEDDKCVTSELLKGIPLATGDTSPEPELLPGAPLPPPKEVINGNIKTVTEYKIDED GKKFKIVRTFRIETRKASKAVARRKNWKKFGNSEFDPPGPNVATTTVSDDVSMTFITSKEDLNCQEEEDPMNK LKGQKIVSCRICKGDHWTTRCPYKDTLGPMQKELAEQLGLSTGEKEKLPGELEPVQATQNKTGKYVPPSLRD GASRRGESMQPNRRADDNATIRVTNLSEDTRETDLQELFRPFGSISRIYLAKDKTTGQSKGFAFISFHRREDAA RAIAGVSGFGYDHLILNVEWAKPSTN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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-tRNAi 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 disassbly and recycling of post-termination ribosomal complexes and subsequently prevents prature joining of the 40S and 60S ribosomal subunits prior to initiation. This subunit can bind 18S rRNA.

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)Research Topic:Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.