

Recombinant human Eukaryotic translation initiation factor 3 subunit I protein

Catalog No: #AP71807

Orders: order@signalwayantibody.com

Package Size: #AP71807-1 20ug #AP71807-2 100ug #AP71807-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Eukaryotic translation initiation factor 3 subunit I protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-323aaSequence Info:Partial
Other Names	Deubiquitinating enzyme eIF3f (EC:3.4.19.12)
Accession No.	O00303
Uniprot	O00303
GeneID	8665;
Calculated MW	60.7 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MATPAVPVSAPPATPTPVPAAPASVPAPTPAPAAAPVPAAPASSSDPAAAAAATAAPGQTPASAQAPAQT PAPALPGPALPGPFGRVRLHPVILASIVDSYERRNEGAARVIGTLLGTVDKHSVEVTNCFVPHNESEDEV AVDMEFAKNMYELHKKVSPNELILGWYATGHDITEHSVLIHEYYSREAPNPIHLTVDTSLQNGRMSIKAYVSTL MGVPGRTMGVMFTPLTVKYAYDTERIGVDLIMKTCFSPNRVIGLSSDLQQVGGASARIQDALSTVLQYAEDV LSGKVSADNTVGRFLMSLVNQVPKIVPDDF
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 disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

References

Structure of cDNAs encoding human eukaryotic initiation factor 3 subunits. Possible roles in RNA binding and macromolecular assembly.Asano K., Vornlocher H.-P., Richter-Cook N.J., Merrick W.C., Hinnebusch A.G., Hershey J.W.B.J. Biol. Chem. 272:27042-27052(1997)Research Topic:Metabolism

Note: This product is for in vitro research use only