

## Product datasheet for **AR51181PU-N**

### EIF3F / EIF3S5 (1-357, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	EIF3F / EIF3S5 (1-357, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMATPAVP VSAPPATPTP VPAAAPASVP APTPAPAAAAP VPAAAPASSS DPAAAAAATA APGQTPASAQ APAQTPAPAL PGPALPGPFPP GGRVRLHPV ILASIVDSYE RRNEGAARVI GTLLGTVDKH SVEVTNCFVS PHNESEDEVA VDMEFAKNMY ELHKKVSPNE LILGWYATGH DITEHSVLIH EYYSREAPNP IHLTVDTSLQ NGRMSIKAYV STLMGVPGRT MGVMFTPLTV KYAYDTERI GVDLIMKTCF SPNRVIGLSS DLQQVGGASA RIQDALSTVL QYAEDVLSGK VSADNTVGRF LMSLVNQVPK IVPDDFETML NSNINDLLMV TYLANLTQSQ IALNEKLVNL
Tag:	His-tag
Predicted MW:	400 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human EIF3F protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_003745</a>
Locus ID:	8665
UniProt ID:	<a href="#">O00303</a>
Cytogenetics:	11p15.4
Synonyms:	eIF3-p47; EIF3S5; MRT67



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**Summary:**

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA<sub>i</sub> 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 (PubMed:17581632). 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 (PubMed:25849773).[UniProtKB/Swiss-Prot Function]

**Protein Families:**

Druggable Genome

**Product images:**