

Product datasheet for **SC205476**

EIF3S2 (EIF3I) (NM_003757) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	EIF3S2
Synonyms:	eIF3-beta; eIF3-p36; EIF3S2; PRO2242; TRIP-I; TRIPI
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PSI00062)
ACCN:	NM_003757
Insert Size:	438 bp
Insert Sequence:	<p>>SC205476 3'UTR clone of NM_003757</p> <p>The sequence shown below is from the reference sequence of NM_003757. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC CAGTACTTCGAATTTGAGTTTGAGGCTTGAAGAAGCTGGATCTCCTGCCGGGCGTGGTGGCTCATGCCTG TAATCCCACCACTTTTTTTTAAAGGCAGGCGGATCACCTGAGGTCAGGAGTTTAAGACCAGCCTGACCA ACATGGAGAAACCTCGTCTCTACTAAAAATACAAAAATTAGCCAGGCATGGTGGCACACGCCTATAGTC CCAGCTACTCAGGAGGCTGAGGCAGGAGAATCACTTGAACCCAGGAGGCAGAGGTTGCAGTGAGCTGAG ATCACGTCATTGCACTCCATCCTGAGCCACAAGAGCAAACTCCGTCTCAAAAAAAAAAAGAAGAAGG TGGATCTCCAACCAGGCCAGAGAAGATTCTACAGAAGGTTTTGAAGTCTAAGAAATAAATTGGTTTG TAATAAATGGCTTCTGGTCAGATA ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTTCGATTCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_003757.4
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-tRNAi 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]
Locus ID:	8668
MW:	16.8