

Product datasheet for **SC327650**

EIF4ENIF1 (NM_001164502) Human Untagged Clone

Product data:

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|---------------------------|-----------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | EIF4ENIF1 (NM_001164502) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | EIF4ENIF1 |
| Synonyms: | 4E-T; Clast4 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001164502, the custom clone sequence may differ by one or more nucleotides

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ATGGATAGGAGAAGTATGGGTGAAACAGAAAGTGGAGATGCTTTCCTTGACCTGAAGAAG
CCTCCTGCCTCCAAATGCCCCATCGCTATACAAAAGAAGAACTTTGGATATAAAAGAA
CTCCCCATTCCAACAGAGGCCTTCATGCCTTCTGAAAAATATGACAGTGATGGTGTC
TGGGACCTGAGAAGTGGCATGCCTCTCTACCCAGCTTCAGGGCGGAGCTCACCAGTG
GAAAGCTGAAGAAAGATTGGATACAGACCGGCCTTCCCTGGTGCGCAGGATAGTAGGT
ATAGTAGAGTGCAATGGAGGAGTGGCCGAAGAGGATGAAGTGGAGGTCATCCTTGACAG
GAGCCTGCGGCTGATCAGGAAGTGCCAAGGGATGCTGTCTTGCCTGAGCAGTCCCAGGA
GACTTTGACTTTAATGAGTTCCTTAACTTGATAAGGTGCCATGCTTGGCTTCGATGATA
GAAGATGTTTTGGGAGAAGGGTCACTCTGCCAGTCGGTTCAGTAGGTGGTTCTCTAAC
CCGAGCAGATCAGGAAGCCGATCCAGCAGTCTTGGGTCAACACCACATGAAGAGCTAGAG
AGACTTGACAGTCTGGAGCAAGCCATCCTCTCCTGGACAGAAGTCCGGGAATTACTTT
GCTCCTATACCATTGGAAGACCATGCTGAAAATAAAGTGGATATTTAGAAATGCTACAG
AAAGCCAAAGTGGATTTGAAACCTTTCTTCCAGCCTTCTGCAAATAAAGAAAACTT
AAAGAAAGCTCACATTCAGGGGTTGTGCTTTCAGTGGAGGAGGTAGAAGCAGGTCTGAAG
GGCTTGAAGGTTGACCAGCAAGTGAAGAATCACTCCCTTCATGGCAGAACACCTAGAA
GAGACCTTGAGTGCCGTAAACCACAATCGACAAGTGAAGAAAGACGGAGACATGACTGCG
TTCAACAAGCTAGTGAGCACAATGAAGCGAAACCTTGAAGCCATTTGATGTCCCCTGCT
GAGATTCAGGCCAGCCTGTCCCTAAGAACATCCTGCAGGAAGTCTGGGTCAACCAGTT
CAGAGACCTGCTTCTCCAATCTCTGAGTGGCCTTATGGGGAGCTTGGAGCCTACAACA
TCTTTACTGGCCAAAGAGCACCTCTCCTCCCTGTGACAGGTGTTTCAAACCTCGAGCA
GCCTCAGCTGACTACCTTCGCCAAGAATACCATCACCAATTGGTTTTCACACCAGGACCA
CAGCAGCTACTCGAGATCCATTCCAAGGCATGCGCAAACCCATGAGCCCCATCACAGCC
CAGCAGATGAGCCAGCTGGAGTTGCAACAGGCAGCTTTAGAAGGGCTGGCCTTGCCACAT
GACCTTGCTGTACAGGCAGCAAACCTTACCAGCCTGGTTTTGGCAAACACAGGTGGAC
AGAACCAGAGATGGATTCAGAAACAGGCAACAGCGAGTGACCAAGTCACCAGCACCCGTG
CATCGAGGGAATTCCTTCCCCTGCCCTGCTGCCTCCATCACAAGCATGCTTCTCCT
TCCTTTACCCCTACCTCAGTGATTCGTAAGATGTACGAGAGCAAAGAGAAAAGCAAGGAG
GAGCCAGCATCTGAAAAGCAGCTCTTGGTGACAGTAAAGAGGATACTCAGAAGGCCAGT
GAAGAAAACCTCCTGTCCAGCTCTGTACCCAGTGCCGATCGAGACTTCTCCCCT
ACAAATTCAAAAGTGTACAGCATTACAGAGGCTTTCGTGTTCCACCCCACTGTCCCAGGCC
AACCGTTACACCAAAGAACAAGATTATCGACCTAAAGCAACTGGGAGAAAAACACCCACC
TTGGCATCCCCAGTTCTACAACACCTTTTCTCCGCCCTGTCCACCAAGTTCCCCTGTG
CCCCATGTCCCTATGGTTAGGCCTGCTCACCAGCTTACCACAGGGTTGGTACAGAGGATG
CTGGCCAGGGAGTACATCCACAGCATCTTCAAGTTTGTCCAAACTGGTGTGCTTCT
CCTGGGATGGACTTGAGTCATTTACAGGGAATATCTGGCCCCATCCTGGGTGAGCCCTT
TACCCTTTACCTGCTGCTAGTCACCCTCTTTAAACCCCTGCTCCTGGAACACCTTGAT
CTGGCAATGGTGCAACAGCAGCTACAGCGCTCAGTTCTGCATCCTCCAGGCTCTGGTTCC
CATGCAGCAGCTGTGAGGTTTACAGACAACCCCTCAGAAGCTGCCAGCCGGTTCAGGCCTG
CCCCACATGCACTCCAGCTGGAGCATGCCCCAGCCAGAGGAGCAGCTCCCCTGTGGGC
CTTGCCAAATGGTTGGCTCAGATGTGCTACAGCAACCCCTGCCCTCCATGCCCGCCAAA
GTTATCAGTGTAGATGAATTGGAATACCGACAG
    
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Restriction Sites: Please inquire

ACCN: NM_001164502

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | NM_001164502.1 , NP_001157974.1 |
| RefSeq Size: | 3182 bp |
| RefSeq ORF: | 2436 bp |
| Locus ID: | 56478 |
| UniProt ID: | Q9NRA8 |
| Cytogenetics: | 22q12.2 |
| Gene Summary: | <p>The protein encoded by this gene is a nucleocytoplasmic shuttle protein for the translation initiation factor eIF4E. This shuttle protein interacts with the importin alpha-beta complex to mediate nuclear import of eIF4E. It is predominantly cytoplasmic; its own nuclear import is regulated by a nuclear localization signal and nuclear export signals. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame segment in the coding region compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p> |