

Product datasheet for **SC127349**

eIF1A (EIF1AX) (NM_001412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	eIF1A (EIF1AX) (NM_001412) Human Untagged Clone
Tag:	Tag Free
Symbol:	eIF1A
Synonyms:	eIF-1A; eIF-4C; EIF1A; EIF1AP1; EIF4C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127349 sequence for NM_001412 edited (data generated by NextGen Sequencing)

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ATGCCCAAGAATAAAGGTAAGGAGGTAACAAACAGACGCAGGGTAAGAATGAGAATGAA
TCTGAAAAAAGAGAACTGGTATTCAAAGAGGATGGTCAGGAGTATGCTCAGGTAATCAAA
ATGTTGGGAAATGGACGGCTAGAAGCAATGTGTTTCGATGGTGTAAAGAGTTATGTCAC
ATCAGAGGAAAATTGAGAAAAAGGTTTGGATAAATACCTCGGACATTATTTGGTTGGT
CTCCGAGACTACCAGGATAACAAAGCTGATGTAATTTTAAAAATACAATGCAGACGAAGCT
AGAAGTCTGAAGGCATACGGCGAGCTTCCAGAGCATGCTAAAATCAATGAACTGATACA
TTTGGTCTGGAGATGATGATGAAATTCAGTTTGATGACATTGGAGATGATGATGAAGAT
ATTGATGACATCTAA
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Clone variation with respect to NM_001412.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001412 unedited NGTTCAAATTTGTATACGACTACTATAGGCGGCCGCAATTCGCACGAGATTTGCTGCC GCCGAGCGTGGACGCAGGCGGATCTCTGAAGAGCTGGGTCCGCAGCCTCTCCCGGCACG TTGCCTGGCCTCCAGCACCTACTTGGTCCCAGCGCTCCCTCGTGTGCCCCCTCGGAGCA GCAGCCGCGCGGTGCGCGCTACCCGAAAGAAGTCAGAGACGCCGCGAGGTGCGCCGCA CCGCCATGCCAAGAATAAAGGTAAGGAGGTAACAGACGCGAGGGTAAGAATGAGA ATGAATCTGAAAAAGAGAAGTAAAGGAGGTAACAGAGGATGGTCAGGAGTATGCTCAGGTAA TCAAAATGTTGGAAATGGACGGCTAGAAGCAATGTGTTTCGATGGTGTAAAGAGGTTAT GTCACATCAGAGGAAAATTGAGAAAAAGTTTGGATAAAATACCTCGACATTATTTTGG TTGGTCTCCGAGACTACCAGGATAACAAAGCTGATGTAATTTTAAATACAATGCAGACG AAGCTAGAAGTCTGAAGGCATACGGCGAGCTTCCAGAGCATGCTAAAATCAATGAAACTG ATACATTTGGTCTGGAGATGATGATGAAATTCAGTTTGGATGACATTGGAGATGATGATG AAGATATTGATGACATCTAAATTGAACTCAACATTNTACATTCCATCTTTTCTGAAGATT GTCCTNACATTTGGATTTTGGATGATGACANAGAAGATTAATTTTTCATTAGCATGAATGC NATTTGTTAAAGCAGACTGATTTGTTTCTAGATATTTTGGTTTTTTTAACTGANTATA TGCTGAAATATCTAGTGAGATNTAAAGCCACTTNGTCTTTTATGTATGGAGCTATGGGT AGAAGACATGTCTACTANTACAAAAAACAATGCATGCTGCTTTCTACACTNCAGA
Restriction Sites:	NotI-NotI
ACCN:	NM_001412
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).
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_001412.2 , NP_001403.1
RefSeq Size:	4452 bp
RefSeq ORF:	4431 bp
Locus ID:	1964
UniProt ID:	P47813
Cytogenetics:	Xp22.12
Domains:	eIF-1a
Gene Summary:	This gene encodes an essential eukaryotic translation initiation factor. The protein is required for the binding of the 43S complex (a 40S subunit, eIF2/GTP/Met-tRNAi and eIF3) to the 5' end of capped RNA. [provided by RefSeq, Jul 2008]