

Product datasheet for **SC127766**

EIF1AY (NM_004681) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF1AY (NM_004681) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF1AY
Synonyms:	eIF-4C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004681, the custom clone sequence may differ by one or more nucleotides

ATGCCCAAGAATAAAGGTAAAGGAGGTAAAAACAGGCGCAGGGGTAAAAATGAGAATGAATCTGAAAAAA
GAGAGTTGGTGTTTAAAGAGGATGGACAAGAGTATGCTCAGGTAATCAAATGTTGGGAAATGGACGATT
GGAAGCATTGTGTTTGTGGTGTAAAGAGGTTATGCCATATCAGAGGGAAATTGAGAAAAAGGTTTGG
ATAAATACATCAGACATTATTTGGTTGGTCTACGGGACTATCAGGATAACAAAGCTGATGTAATTTTAA
AGTACAATGCAGATGAAGCTAGAAGCCTGAAGGCATATGGCGAGCTTCCAGAACATGCTAAATCAATGA
AACAGACACATTTGGTCCTGGAGATGATGATGAAATCCAGTTTGACGATATTGGAGATGATGATGAAGAC
ATTGATGATATCTAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004681 unedited <pre>CGTTCAAATATTTGTATACGATTACTATAGGCGGCACGCGAATTCGCACGATAGAGTCG GAAGAGTCTCACGAGGCTGTCATCACGCCCATGCCCAAGAATAAAGGTAAGGAGGTAAA AACAGGCGCAGGGGTAAGATGAGAATGAATCTGAAAAAGAGAGTTGGTGTAAAGAG GATGGACAAGAGTATGCTCAGGTAATCAAAATGTTGGGAAATGGACGATTGGAAGCATTG TGTTTTGATGGTGTAAAGAGGTTATGCCATATCAGAGGGAAATTGAGAAAAAGGTTTG ATAAATACATCAGACATTATATTGGTTGGTCTACGGGACTATCAGGATAACAAAGCTGAT GTAATTTTAAAGTACAATGCAGATGAAGCTAGAAGCCTGAAGGCATATGGCGAGCTTCCA GAACATGCTAAAATCAATGAAACAGACACATTTGGTCCTGGAGATGATGATGAAATCCAG TTTGACGATATTGGAGATGATGATGAAGACATTGATGATATCTAAATTGAACCAAGTGTT TTTACATGACAAGTTCTCTGAGGATGGTTCTACAGTTGGGATTTTGGCCATCATCAACCA AGAAGAGAAATTCATTTAGTGTGTAGTTTCTGAAAGCAAAGTATTTATTTTCATTGTTN TAAAGTATTTATTTCTTTAAAGCTGAGGACACTGAATTACCTTAAGTTAAATGTTAATA CTNTATTAGCTCTGATGTAATGGAACCTAAGGATAAAAGACCATATTTTGCTGCTAAAA TAATNAACGAGTGCCTTTCTACTGTNGATACGTCAAAGTATGGNATATTTGAATACAT TTCTGNCTGATAATCATGCTGGGCTCTAATAGCCNTACTTNCCTAATCTGNNTAAGNCT TTGAGNATGNTTCAGTACTTAAATGGCTCATAAGGTTCTGATACATTTNGAGACNGAATC TGCTTTAAATCAGATAAATGAACATTTTCTATTAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004681
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:	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:	<u>NM_004681.2</u> , <u>NP_004672.2</u>
RefSeq Size:	1399 bp
RefSeq ORF:	435 bp
Locus ID:	9086
UniProt ID:	<u>O14602</u>
Cytogenetics:	Yq11.223
Domains:	eIF-1a

Gene Summary:

This gene is located on the non-recombining region of the Y chromosome. It encodes a protein related to eukaryotic translation initiation factor 1A (EIF1A), which may function in stabilizing the binding of the initiator Met-tRNA to 40S ribosomal subunits. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).