

Product datasheet for **SC109884**

EIF4H (NM_031992) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF4H (NM_031992) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF4H
Synonyms:	eIF-4H; WBSCR1; WSCR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109884 sequence for NM_031992 edited (data generated by NextGen Sequencing)

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ATGGCGGACTTCGACACCTACGACGATCGGGCCTACAGCAGCTTCGGCGGCGGCAGAGGG
TCCCGCGCAGTCTGGTGGCCATGGTTCCCGTAGCCAGAAGGAGTTGCCACAGAGCCC
CCCTACACAGCATACGTAGGAAATCTACCTTTCAATACGGTTCAGGGCGACATAGATGCT
ATCTTTAAGGATCTCAGCATAAGGAGTGTACGGCTAGTCAGAGACAAAGACACAGATAAA
TTTAAAGGATTCTGCTATGTAGAATTCGATGAAGTGGATTCCCTTAAGGAAGCCTTGACA
TACGATGGTGCCTGTTGGGCGATCGGTCACCTTCGTGTGGACATTGCAGAAGGCAGAAAA
CAAGATAAAGGTGGCTTTGGATTAGAAAAGGTGGACCAGATGACAGAGGCTTCAGGGAT
GACTTCTTAGGGGCGAGGGGAGGTAGTCGCCCAGGCGACCGGCGAACAGGCCCCCATG
GGCAGCCGCTTCAGAGATGGCCCTCCCCTCCGTGGATCCAACATGGATTTAGAGAACCC
ACAGAAGAGGAAAGAGCAGAGACCACGACTCCAGCTTAAACCTCGAACAGTCGCGACG
CCCTCAATCAAGTAGCCAATCCCAACTCTGCTATCTTCGGGGGTGCCAGGCCTAGAGAG
GAAGTCGTTCAAAGGAGCAAGAATGA

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Clone variation with respect to NM_031992.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031992 unedited TGTATACGACTCTATAGGCGGCCGCGACATTCGCACGAGGCGGAGACGGCAAATGGCGG ACTTCGACACCTACGACGATCGGGCCTACAGCAGCTTCGGCGCGGCAGAGGGTCCCGCG GCAGTGTGGTGGCCATGGTTCCCGTAGCCAGAAGGAGTTGCCACAGAGCCCCCTACA CAGCATACTAGGAAATCACTTTCAATACGGTTCAGGGCGACATAGATGCTATCTTTA AGGATCTCAGCATAAGGAGTGTACGGCTAGTCAGAGACAAGACACAGATAAATTTAAAG GATTCTGCTATGTAGAATTCGATGAAGTGGATTCCCTTAAGGAAGCCTTGACATACGATG GTGCACTGTTGGGCGATCGGTCACTTCGTGTGGACATTGCAGAAGGCAGAAAACAAGATA AAGGTGGCTTTGGATTAGAAAAGGTGGACCAGATGACAGAGGCTTCAGGGATGACTTCT TAGGGGGCAGGGGAGGTAGTCGCCAGGCGACCGGCGAACAGGCCCCCCCATGGGCGACC GCTTCAGAGATGGCCCTCCCTCCGTGGATCCAACATGGATTTTCAGAGAACCCACAGAAG AGGAAAGAGCACAGAGACCAGACTCCAGCTTAAACCTCGANACAGTCGCGACGCCCTC AATCAAGTAGCCAATCCCAACTGCTATCTTCGGNGGGTGCCAGGCCTAGAGAGGNAA GTCGTTANAGGAGCAAGAATGAGCCTGCGGTTGGGAGGGAATGGNGCGTGGNGGGGTTA GAGCANGACCACAGNCTGGNTGAGTCCCCGGGCAGNCGTCTGCAGNCGNCACTTCTGCG CCTGNCATTTGGCTNCTCACACNGAAACACACTTGTGAGTGCATGTCAGCTGTTACCAA GTGGNTTATGACATTCTGGGCTTTGCTGATCTATCTANGCCTGTTNGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031992 unedited TTGGACGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTATTACGTAAGGTTT TCTTTTATTTAAAAGATCATTACAAAATACCATATCCATAGATTTACTTCTGTCATAT AGCTGAATGTGTTAAGTGTGGAAATCCATTCTTACATTTAAAAGTCAACTGGATTGCC CAGCAGTTTAGATGCATGTGTTTTGTTCTTTATCTTATCCACATTGAAGATGTAAGTAGG TCATCTGAAAGCATCGGGTTTGATTACACCACATAATGCATGTCTTTCTGAAGTTAAGTG TTGGTGTACACAAATGGTTCTTATCTCAGAAGCAGAGAAGCTGACAGGTGGAAGGAAGG AGAGAGAGTTCTGTGGATTGCTGAGGCCTTGTAACAAGACACAGTAGGAAAAGCCAGGA TGACGGCTGGTGACCAAACTAAGCACATTCCGCTGGGTGCCCCAGGCCACCCTGGCCC TGCCATCACCTGGCGAGGGCCTCTTTCCAGGCTCCTGCTGCCGGCCGCCCCAAACTGC TCCCCATAGGACAGACTGGGACTTGGGTACTGAAGGATTTTTTTCATCTGTTACACGCAGG CGTTCAAGCTCAAAGCCTAACCCTAGCACTCCACATAACTGCTGAACCCTGCACATG GGAACAGTCCAGTGTGTCCCAAGATGTGGCCGACAGCTAGACAGCTGCAGTCCCTCTAC TGCTANTCTGAAGGTTCTGACAGCTCTGCATAGTACAATTTATCAAAGGAAATGAGTTAA GTGCCAGATTCTANACCCATTNTNGCTCTGAAACTGAGGGGGAGTGGAAGCACAGTATC TATTATGTTGCCTAACTANGAACAGATNCCACACCCACAGGCACAGGGATGGGGGGGAA CCCTGCGTTACGCCCGATTCAACCAGTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_031992
Insert Size:	2560 bp
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: [NM_031992.1](#), [NP_114381.1](#)

RefSeq Size: 2486 bp

RefSeq ORF: 687 bp

Locus ID: 7458

UniProt ID: [Q15056](#)

Cytogenetics: 7q11.23

Domains: RRM

Gene Summary: This gene encodes one of the translation initiation factors, which functions to stimulate the initiation of protein synthesis at the level of mRNA utilization. This gene is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. This variant encodes isoform 2 which is shorter, compared to isoform 1.