

Product datasheet for SC127305

EIF4H (NM_022170) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF4H (NM_022170) 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:	>NCBI ORF sequence for NM_022170, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGACTTCGACACCTACGACGATCGGGCCTACAGCAGCTTCGGCGGCGGCAGAGGGTCCCGCGGCA
GTGCTGGTGGCCATGGTTCCCGTAGCCAGAAGGAGTTGCCACAGAGCCCCCTACACAGCATACGTAGG
AAATCTACCTTTCAATACGGTTAGGGCGACATAGATGCTATCTTTAAGGATCTCAGCATAAGGAGTGTA
CGGCTAGTCAGAGACAAAGACACAGATAAATTTAAAGGATTCTGCTATGTAGAATTCATGAAGTGGATT
CCCTTAAGGAAGCCTTGACATACGATGGTGCACGTGGGCGATCGGTCACCTTCGTGTGGACATTGCAGA
AGGCAGAAAACAAGATAAAGGTGGCTTTGGATTGAGAAAAGGTGGACCAGATGACAGAGGAATGGGTAGC
TCTCGAGAATCTAGAGGTGGATGGGATCCCGGGATGACTTCAATTCTGGCTTCAGGGATGACTTCTTAG
GGGGCAGGGGAGGTAGTCGCCCAGGCGACCGGCGAACAGGCCCCCCCATGGGCAGCCGCTTCAGAGATGG
CCCTCCCCTCCGTGGATCCAACATGGATTTAGAGAAACCCACAGAAGAGGAAAGAGCACAGAGACCACGA
CTCCAGCTTAAACCTCGAACAGTCGCGACGCCCCCTCAATCAAGTAGCCAATCCCAACTCTGCTATCTTCG
GGGGTGCCAGGCCTAGAGAGGAAGTCGTTCAAAAGGAGCAAGAATGA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022170 unedited

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TTTGTAAACGACTTACTATAGGGCGGCCGCAATTCGGCACAGGCGGCAAAATGGCGGA  
CTTCGACACCTACGACGATCGGGCTACAGCAGCTTCGGCGCGGCAGAGGGTCCCGCGG  
CAGTGCTGGTGGCCATGGTTCCTGATGCCAGAAGGAGTTGCCACAGAGCCCCCTACAC  
AGCATACGTAGGAAATCTACCTTTCAATACGGTTCAGGGCGACATAGATGCTATCTTTAA  
GGATCTCAGCATAAGGAGTGATCGGCTAGTCAGAGACAAGACACAGATAAATTTAAAGG  
ATTCTGCTATGTAGAATTCGATGAAGTGGATTCCCTTAAGGAAGCCTTGACATACGATGG  
TGCACGTGTGGGCGATCGGTCACTTCGTGTGGACATTGCAGAAAGCGAGAAAACAAGATAA  
AGGTGGCTTTGGATTCAGAAAAGGTGGACCAGATGACAGAGGCTTCAGGGATGACTTCTT  
AGGGGCGAGGGGAGGTAGTCGCCACAGGCGACCGGCGAACAGGCCCCCCCATTGGGCGACCG  
CTTCAGAGATGGCCCTCCCTCCGTGGATCCAACATGGATTTAGAGAAGCCACAGAAGA  
GGAAAGAGCAGAGAGACCAGACTCCAGCTTAACCTCGAACAGTCGCGACGCCCTCAA  
TCAAGTAGCCAATCCAACCTCTGCTATCTTCGGGGGGTGCCAGGCCTAGAGAGGAAGTCG  
TTCAAAGGACGCAAGAATGAGCTCGCTGTGGGAGGNAATGGGGGCTGNNNGGGTAAAGCAG  
ACCAACAGCTTGGTGAGTNCCTGGCGAGNCGTCTGCAGCCGNCACCTCTGCGCTGCGATTG  
GCCTNCTCAGAGCGAACACGCTTGTGAGTGCTGTCACTGTTACAAGTGGTTTT
```

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022170 unedited
 CCCCCCCCCCNCCNCCNCCANCCCCNNNNNNNAANNTTGTGACTTTGNACCGCGNG
 CCGCATCTAGGATCGAGTTTTTTTTTTTTTTTTTATTACGTAAGGTTTTCTTTATTTA
 AAAGACATTCACAAAATACCATATCCATAGATTACTTTCTGTGCATATAGCTGAATGTGT
 TAAGTGTTTGAATTCCATTCTTACATTTAAAGTCAACTGGATTGCCAGCAGTTAGA
 TGCATGTGTTTTGTTCTTTATCTTATCCACATTGAAGATGTAAGTAGGTCATCTGAAAGC
 ATCGGGTTTGATTACACCACATAATGCATGTCTTTCTGAAGTTAAGTGTTGGTGTTACAC
 AAATGTTCTTATCTCAGAAGCAGAGAAGCTGCAGGTTGGAAGGAAGGAGAGAGAGTTCT
 GTGGATTGCTGAGGCCTTGTAACAAGACACAGTAGGAAAGGCCAGGATGACGGCTGGTG
 ACCAAATACTAAGCACATTCCGCTGGGTGCCCGAGGCCACCCTGGCCCTGCCATCACTG
 GCGAGGGCTCTTTCCAGGCTCCTGCTGCCGGCCGCCCCAAACTGCTCCCATAGGAC
 AGACTGGGACTTGGGTACTGAAGGATTTTTATCTGTTACACGCAGGCGTTCAAGCTCA
 AAAGCCTAACCCCTAGCACTCCACATAACTGCTGAACCCTGCACATGGGAACAGTCCAG
 TGTGTCCCAAGATGTGGCCGACAGACCTAGACAGCTGCAGTCTCTACTGCTATCTGANA
 GTTCTGCAGAGCTCTGCATAGTACAATTTATCAAAGGAATGAGTAAAGTGCCAGATTCTA
 AACCCATTTTGCTCTGAAGTGAAGGGGAGTGGGAAGCCAGTATCTCATTATGTTGCC
 TATACTAGGAACAGGATCCACCC

Restriction Sites:

Notl-Notl

ACCN:

NM 022170

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_022170.1](#), [NP_071496.1](#)

RefSeq Size: 2546 bp

RefSeq ORF: 747 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 (1) encodes the longer isoform (1).