

Product datasheet for **RG201726**

EIF2D (NM_006893) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF2D (NM_006893) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EIF2D
Synonyms:	HCA56; LGTN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201726 representing NM_006893
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTGCCAAGGCCTTTTCGGGTCAAGTCCAACACGGCCATCAAGGGGTCTGGACAGGAGAAAGCTTCGAG
 CTGATGTGACAACTGCTTTCCCCACCCTTGGAAGTCAAGTCTCTGAGTTAGTACCTGGAAAGGAGGA
 GCTCAACATTGTGAAGTTGTATGCTCACAAGGGGATGCAGTGACTGTGTACGTAGTGGTGGTAACCCC
 ATCCTCTTTGAACTGGAGAAAACTGTATCCAACAGTGTACACGCTGTGGTCTATCCTGATCTTCTGC
 CAACCTTTACAACATGGCCTCTGGTCTCGAGAACTGGTAGGGGAGCAGATTTGATGCTGCCTGGACT
 GGTGATGCCCCCTGCTGGTCTGCCTCAGGTACAGAAGGGCGACCTCTGTGCCATTTCTTTGGTGGGAAC
 AGAGCCCTGTAGCCATTGGAGTTGCAGCCATGTCCACAGCTGAGATGCTCACGTGAGCCTGAAGGAA
 GGGGCTTCTCTGTCTCCACACTTACCAGGACCACTTGTGGCGGTCTGGAACAAGTCTCTCCACCTTC
 CATTGCTCCACTGGCCCTGGATTGAGCAGATCTCAGTGAAGAGAAGGGGTCTGTCCAGATGGACTCCACC
 CTGCAGGGAGACATGAGGCACATGACCCCTGGAGGGGAAGAGGAGAATGGGGAGGTTACCCAGGCACGTG
 AAGACAAGTCTCTCTCAGAAGCCCCAGAAGACACCAGCACCAGGGGCTGAACCAAGACTCCACAGATAG
 CAAAACGCTTCAAGAACAAATGGATGAGCTGTTACAGCAATGCTTCTTACATGCCTTGAAGTGCCGAGTC
 AAAAAGGCTGACCTCCCTTTACTCACCAGCACTTCTTGGCAGCCACATGTTCTCTGCTGCCCGAAG
 GACGACAACTGGACATAAAGAAGTCAAGCTACAAAAGCTCTCTAAGTTCCTGCAGCAATGCAGCAGGA
 GCAGATTATACAGGTGAAGGAGCTGAGCAAGGGGTGGAGAGCATTGTGGCTGTGGACTGGAACACCCG
 AGGATTACATCTTTCGTATACCCGAGCCCTCCCGACCTCCAGACTATCCAGGAGGGTAGCAGGGAAC
 AGCCCTATCACCTCCAGATATAAAACCCCTCTACTGTGTCCAGCCAGCATGACCTGCTCTTCCAGGA
 GTCTGGCCACAAGAAGGGGAGCTTTCTGGAGGGCAGTGAGGTCCGAACGATCGTCATTAACACGCCAAG
 AAAAATGACCTGGTTGATGCAGACAACAAAATCTTGTGAGATTGGATCCCATCTATGTGACTGCATCT
 TAGAGAAAAATGAACAGCATACAGTCATGAAGCTTCCATGGGACAGTCTTCTGACCAGGTGTTTGAAAA
 ATTACAGCCTGCCTATCAAGTGACCTTCCCGACAAGAGCCCATTTGTGAAGAAAGGGAGAATCTGTCCA
 ATTGACATCACCTAGCACAAGAGCGTCTAATAAAAAGGTGACCGTGGTCCGGAAGTTGGAGGCCTATG
 GTCTGGACCCATACTCAGTGGTGCCTCCTTACGAGCGATGCCAGGCTAGCACCCGCTAATCCTGC
 CCCTGGGGCCAAGGACAGCCTTCAAGTGCAGATCCAGGAAACAGGTCCACCACCTCGGCTGGCTATTG
 CTTGAAGAGTATCAGCTCCCTCGAAAACACATCCAAGGTCTAGAAAAGGCCCTCAACCTGGCAAGAAGA
 AG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

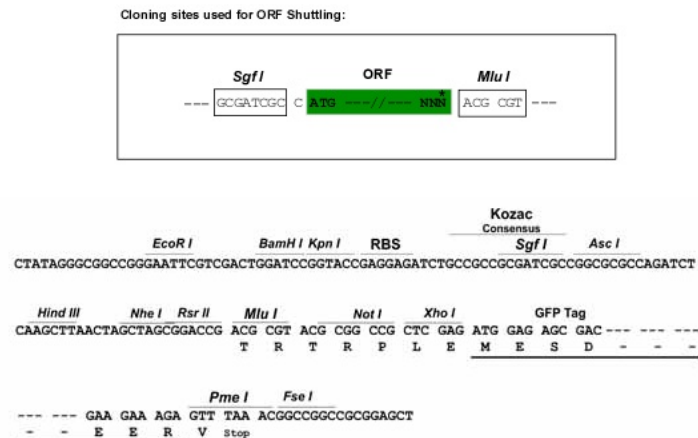
>RG201726 representing NM_006893
 Red=Cloning site Green=Tags(s)

MFAKAFRVKSNTAIKGSRRRLRADVTTAFPTLGTQVSELVPGKEELNIVKLYAHKGDAVTYYVSGGNP
 ILFELEKNLYPTVYTLWSYDPLPTFTTWPLVLEKLVGGADLMPLGLVMPPAGLPQVQKGDLCALSLVGN
 RAPVAIGVAAMSTAEMLTSLKGRGFSVLHTYQDHLWRSNGKSSPPSIAPLALDSADLSEEKGSVQMDST
 LQGDMRHMTLEGEENGEVHQAREDKSLSEAPEDTSTRGLNQDSTDSTLQEQMDELLQQCFHLALKCRV
 KKADLPLLTSTFLGSHMFSCCPEGRQLDIKKSSYKKLSKFLQQMQEQIIVVKELSKGVESIVAVDWKHP
 RITSFVIPEPSPTSQTIEGSRQPYHPPDIKPLYCVPASMTLLFQESGHKKGSFLEGSEVRTIVINYAK
 KNDLVDADNKNLVRLDPILCDCILEKNEQHTVMKLPWDSLLTRCLEKLQPAYQVTLPGQEPVKKGRICP
 IDITLAQRASNKKVTVVRNLEAYGLDPYSVAAILQQRCASTTVNPAPGAKDSLQVQIQGNQVHHLGWLL
 LEEYQLPRKHIQGLEKALKPGKKK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_006893

ORF Size: 1752 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006893.3](#)

RefSeq Size: 2115 bp

RefSeq ORF: 1755 bp

Locus ID: 1939

UniProt ID: [P41214](#)

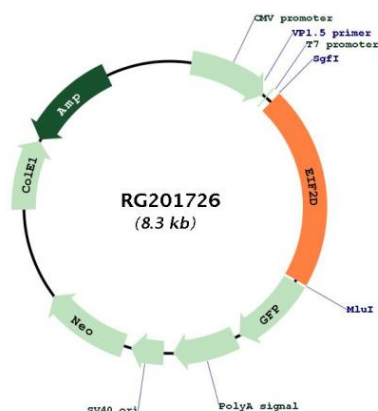
Cytogenetics: 1q32.1

Domains: SUI1, PUA

Protein Families: Druggable Genome

Gene Summary: This gene encodes a translation initiation factor involved in the recruitment and delivery of aminoacyl-tRNAs to the P-site of the eukaryotic ribosome in a GTP-independent manner. This gene was previously referred to as ligatin, but is now known to localize to the cytoplasm and localize and function with translation factors. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RG201726