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Product datasheet for MC201074

Eif4e (BC010759) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4e (BC010759) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif4e
Synonyms:	Eif4e-ps, eIF-4E
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC010759 ATCTAAGATGGCGACTGTGGAACCGGAAACCACCCCTACCACTAATCCCCCACCTGCAGAAGAGGAAAAA ACAGAGTCTAATCAGGAGGTTGCTAACCCAGAGCACTATATTAAACACCCTCTACAGAACAGGTGGGCAC TCTGGTTTTTTAAAAATGATAAAAGCAAAACTTGGCAAGCAAACCTTCGATTGATCTCTAAGTTTGATAC TGTTGAAGACTTTTGGGCTCTATACAACCATATCCAGTTGTCTAGTAATTTAATGCCTGGCTGTGACTAC TCACTTTTTAAGGACGGGATTGAGCCTATGTGGGAAGATGAGAAAAACAAACGAGGAGGACGGTGGCTGA TCACACTGAACAAGCAGCAGAGACGGAGTGACCTCGATCGCTTCTGGCTAGAGACACTGCTGTGCCTTAT TGGAGAATCTTTCGATGACTACAGTGATGATGTGTGTGGAGCTGTTGTTAATGTTAGAGCTAAAGGTGAT AAGATAGCAATATGGACTACTGAGTGTGAAAACAGAGATGCAGTCACACACATAGGGAGGGTATACAAGG AAAGGTTAGGACTTCCTCCGAAGATAGTGATTGGTTATCAGTCCCACGCAGACACAGCTACAAAGAGCGG CTCCACCACTAAAAATAGGTTTGTTGTTTAAGAAGACACCTTCTGAGTATTCTCACAGGAGACTGCGTCA CGCAATCGAGATTGGGAGCTGAACCAAAGCCTCATCAAAGCAGAGTGGACTGCACTGAAGTTGATTCCAT CCAAGTGTTGCTAAGATATAAGAGAAGTCTCATTCGCCTTTGTCTTGTACTTCTGTGTTCATTCTCCTCC CCCACCCCCAATTTTTGCTAGTGTGTCCACTATCCCAATCAAAGAATTACAGTATACGTCACCCCAGAAC CCGCAGATGTGTTCCTGGCCCGCTCTGTAACAGCCGGTTAGAATTACCATGACACACACATTTGCCTTTC CACAGTATTCGAAAAAGAACTTGCATTTCTATTACCTTAGCAGGAAAGATCTGGTTTTGCTCCACTCCAT GCAGGAGCGGACTTTGCTGGTGTGAGAGTCTGAGTACAGCTTTCTAGCAACCTTCTGTTTCCTTTCACAG CATTGTCCTTGCTGTCCTCTTGCTGATGGCTGCTAGATTTAATTTATTTGCTTCCCTCCTTGATAACATT AGTGATTCTGATTTCAGTTTTTCATTTGTTTTGCTTTTGTTTTTTTCCTCGTGTAACATTGGTGAAGGAT CCAGGAATATGACAGAAAGGTGGAATAAACATTAAATTTGTGCATTCTTTGGTAATTTTTTTGTTTTTTG TAACTACAAAGCTTTGCTACAAATTTATGCATTTCATTCAAATCAGTGATCTATGTCTGTGTGATCCCTA AACATAATTGTGGACTATAAAAATGTAACACCATAATTACATTCCTAACTAGAATTAGTATGTCTGCCTT TGTATCTCTATGCTGTACTTTAACACTTTGTATTCTTAGGTTATTTTGCTTTGGTTACAATGGCTCAAGT AGAAAAGCGGTCCCATCCATATTAAGACAGTGTACAAAACTGTAAATAAAATGTGTACAGTGAATTGTCT TTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI

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ACCN:	BC010759
Insert Size:	654 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:	BC010759, AAH10759
RefSeq Size:	1646 bp
RefSeq ORF:	654 bp
Locus ID:	13684
Cytogenetics:	3 64.3 cM
Gene Summary:	This gene encodes a component of the eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. It has also been associated with autism spectrum disorders. Consistently, knockout of this gene results in increased translation of neuroligins, postsynaptic proteins linked to autism spectrum disorders. Pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]