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Product datasheet for SC322020

EIF2B4 (NM_001034116) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF2B4 (NM_001034116) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF2B4
Synonyms:	EIF-2B; EIF2B; EIF2Bdelta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for SC322020
CCTAGGACTGAGGGCGATGGCTGCTGTGGCCGTGGCTGTTCGCGAGGACTCGGGATCCGG
GATGAAGGCGGAGCTTCCCCCTGGGCCTGGGGCAGTGGGGAGGGAAATGACCAAAGAAGA
AAAGCTGCAGCTTCGGAAGGAAAAGAAACAGCAGAAGAAGAAACGGAAGGAAGAAAAGGG
GGCAGAACCAGAGACTGGCTCTGCTGTATCTGCAGCCCAATGTCAAGTAGGCCCAACCAG
AGAACTGCCAGAATCGGGCATTCAGTTGGGCACTCCTCGGGAGAAAGTTCCAGCTGGTCG
GAGTAAGGCCGAACTTCGGGCTGAGCGTCGAGCCAAGCAGGAGGCCGAGCGGGCCCTGAA
ACAGGCAAGAAAAGGGGAACAAGGAGGACCACCTCCTAAGGCCAGCCCCAGCACAGCTGG
AGAAACCCCCTCAGGAGTGAAGCGTCTCCCTGAGTACCCTCAGGTTGATGACCTACTTCT
GAGAAGGCTTGTTAAAAAACCAGAGCGTCAACAGGTTCCTACACGAAAGGATTATGGATC
CAAAGTCAGTCTCTTCTCTCACCTACCCCAGTACAGCAGACAAAACTCTCTGACCCAGTT
TATGAGCATCCCATCCTCTGTGATCCACCCAGCCATGGTGCGACTCGGCCTGCAGTACTC
CCAGGGCCTGGTCAGTGGCTCCAATGCCCGGTGTATTGCCCTGCTTCGTGCCTTGCAGCA
GGTGATTCAGGATTACACAACACCGCCTAATGAAGAACTCTCCAGGGATCTAGTGAATAA
ACTAAAACCCTACATGAGCTTCCTGACTCAGTGCCGTCCCCTGTCAGCGAGCATGCACAA
CGCCATCAAGTTCCTTAACAAGGAAATCACCAGTGTGGGCAGTTCCAAGCGGGAAGAGGA
GGCCAAGTCAGAACTTCGAGCAGCCATTGATCGGTATGTGCAAGAGAAGATTGTGCTAGC
AGCTCAGGCAATTTCACGCTTTGCTTACCAGAAGATCAGTAATGGAGATGTGATCCTGGT
ATATGGATGCTCATCTCTGGTATCACGAATTCTTCAGGAGGCTTGGACAGAGGGCCGGCG
GTTTCGGGTGGTAGTGGTGGACAGCCGGCCATGGCTGGAAGGAAGGCACACACTACGTTC
TCTAGTCCATGCTGGTGTCCCAGCCTCCTACCTGCTGATTCCTGCAGCCTCCTATGTGCT
CCCAGAGGTTTCCAAGGTGCTATTGGGAGCTCATGCACTCTTGGCCAACGGGTCTGTGAT
GTCACGGGTAGGGACAGCACAGTTAGCCCTGGTGGCTCGAGCCCATAATGTACCAGTGCT
GGTTTGCTGTGAAACATACAAGTTCTGTGAGCGTGTGCAGACTGATGCCTTTGTCTCTAA
TGAGCTAGATGACCCTGATGATCTGCAATGTAAGCGGGGAGAACATGTTGCGCTGGCTAA
CTGGCAGAACCACGCATCCCTACGGTTGTTGAATCTAGTCTATGATGTGACTCCCCCAGA
GCTTGTGGATCTGGTGATCACGGAGCTGGGGATGATCCCTTGCAGTTCTGTACCTGTTGT
TCTACGAGTCAAGAGCAGTGACCAGTGACGGGGGAAACACAGGGTTAATAAATGCCATAC
TCCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAA
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Restriction Sites: Please inquire

ACCN: NM_001034116

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001034116.1, NP_001029288.1
RefSeq Size:	1763 bp
RefSeq ORF:	1572 bp
Locus ID:	8890
UniProt ID:	Q9UI10
Cytogenetics:	2p23.3
Gene Summary:	Eukaryotic initiation factor 2B (EIF2B), which is necessary for protein synthesis, is a GTP exchange factor composed of five different subunits. The protein encoded by this gene is the fourth, or delta, subunit. Defects in this gene are a cause of leukoencephalopathy with vanishing white matter (VWM) and ovarioleukodystrophy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 4. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 4.