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Product datasheet for SC316927

Epsin 2 (EPN2) (NM_001102664) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epsin 2 (EPN2) (NM_001102664) Human Untagged Clone
Tag:	Tag Free
Symbol:	Epsin 2
Synonyms:	EHB21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316927 representing NM_001102664. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAGCAGAGAAGTGGCTGAGCAGGAAGAACGCCTCAGGCGGGGTGATGACCTCAGATTACAGATGGCC CTGGAAGAAAGCCGAAGGGACACAGTTAAAATTCCAAAAAAGAAAGAGCATGGCTCTCTCCCACAGCAG ACTACGCTGTTGGATTTAATGGATGCTCTCCCCAGCTCGGGCCCCGCGGCCCAGAAAGCAGAGCCCTGG GGCCCGTCAGCCTCCACTAACCAGACCAACCCCTGGGGCGGGCCAGCGGCTCCTGCGAGTACTTCAGAC CCCTGGCCATCGTTTGGTACCAAGCCAGCTGCCTCCATTGACCCATGGGGGGTGCCCACTGGAGCCACC GTACAATCTGTCCCCAAGAACTCGGACCCCTGGGCAGCTTCACAGCAGCCTGCCTCCAGTGCTGGGAAA AGAGCTTCTGACGCGTGGGGCGCAGTCTCCACCACCAAGCCCGTGTCTGTCTCTGGGTCCTTTGAGCTC TTCAGTAATCTGAATGGTACAATTAAAGATGACTTTTCTGAATTTGACAACCTTCGGACTTCAAAAAAA ACAGCCGAATCTGTGACCTCTCTGCCATCCCAAAACAATGGAACTACCAGCCCTGACCCCTTTGAGTCT CAACCCCTGACTGTCGCCTCAAGCAAGCCCAGCAGTGCCCGGAAAACACCTGAGTCCTTCCTGGGCCCC AACGCGGCCCTGGTGAACCTGGACTCACTGGTGACCAGGCCTGCCCCACCAGCCCAGTCCCTCAACCCT TTCCTGGCACCAGGTGCTCCCGCCACCTCGGCCCCTGTTAACCCTTTCCAGGTGAACCAGCCCCAGCCG CTGACACTGAACCAGCTTCGGGGGAGCCCAGTCCTGGGGACCAGCACATCCTTTGGGCCTGGCCCAGGA GTGGAGTCCATGGCTGTGGCCTCGATGACCTCCGCGGCCCCACAGCCAGCTCTGGGGGCCACTGGTTCC TCTCTGACACCACTGGGCCCTGCAATGATGAACATGGTGGGCAGTGTGGGTATACCCCCATCAGCAGCC CAGGCCACTGGCACAACCAACCCTTTCCTTCTCTAG AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-RsrII
ACCN:	NM_001102664

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Insert Size:	1071 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).
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_001102664.1
RefSeq Size:	3776 bp
RefSeq ORF:	1071 bp
Locus ID:	22905
UniProt ID:	O95208
Cytogenetics:	17p11.2
Protein Pathways:	Endocytosis
MW:	36.7 kDa
Gene Summary:	This gene encodes a protein which interacts with clathrin and adaptor-related protein complex 2, alpha 1 subunit. The protein is found in a brain-derived clathrin-coated vesicle fraction and localizes to the peri-Golgi region and the cell periphery. The protein is thought to be involved in clathrin-mediated endocytosis. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (3) differs in the 5' UTR and coding region compared to variant 2. The resulting isoform (c) is shorter at the N-terminus compared to isoform b. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.