

Product datasheet for **SC114658**

NECAP1 (NM_015509) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NECAP1 (NM_015509) Human Untagged Clone
Tag:	Tag Free
Symbol:	NECAP1
Synonyms:	DEE21; EIEE21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114658 sequence for NM_015509 edited (data generated by NextGen Sequencing) <pre> ATGGCGACCGAGTTGGAGTACGAGTCTGTGCTGTGTGAAGCCAGACGTCAGCGTCTAC CGGATTCCGCCCCGGGCTCCAACCGCGTTACAGGGCCTCTGACTGGAAATTAGACCAG CCTGATTGGACTGGTCGCCTCCGAATCACTTCAAAGGGAAGACTGCCTATATCAAATC GAGGATAAAGTTTCAGGGGAGCTCTTTGCTCAGGCACCAAGTAGAACAATATCCTGGTATT GCTGTGGAGACGGTGACAGATTCTAGCCGCTACTTTGTAATCCGGATCCAGGATGGTACT GGGCGCAGTGCTTTCATTGGCATTGGCTTCACAGATCGGGGAGATGCCTTCGACTTTAAT GTCTCCTTGCAGGATCACTTCAAGTGGGTAAAGCAGGAATCTGAGATTTCCAAGGAATCT CAAGAAATGGATGCTCGTCCTAAGTTGGATCTGGGCTTCAAGGAAGGACAAACCATCAAG TTGTGTATCGGGAACATTACAAACAAGAAAGGAGGTGCTTCTAAGCCCAGGACTGCAAGG GGTGGGGGTCTGAGCTTACTCCCACCCCGCCAGGAGGCAAAGTCACTATTCCCCACCA TCCTCCTCAGTTGCCATCAGCAATCATGTACCCCAACCAACCATCCGAAATCTAACCAT GGAGGCAGTGATGCAGATATCCTTTTAGATTTGGATTCTCCTGCTCCTGTACGACACCA GCACCAACTCCAGTTTCTGTAAGCAATGACTTGTGGGGAGACTTCAGCACTGCCTCCAGC TCTGTTCCAAACCAGGCACACAGCCATCCAACCTGGGTCCAGTTCTGA </pre>

Clone variation with respect to NM_015509.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_015509 unedited <pre> ATTTTGGTATACGATTTACTATAGGGCCGCGCCGCAATTCGGCACGAGGGATGGCGAC CGAGTTGGAGTACGAGTCTGTGCTGTGTGAAGCCAGACGTACGCGTCTACCGGATTCC GCCCCGGGCTCCAACCGCGTTACAGGGCCTCTGACTGGAAATTAGACCAGCCTGATTG GACTGGTCGCCTCCGAATCACTTCAAAAGGGAAGACTGCCTATATCAAACCTCGAGGATAA AGTTTCAGGGGAGCTCTTTGCTCAGGCACCAAGTAGAACAATATCCTGGTATTGCTGTGA GACGGCGACAGATTCTAGCCGCTACTTTGTAATCCGGATCCAGGATGGTACTGGGCGCAG TGCTTTTCATTGGCATTGGCTTCACAGATCGGGGAGATGCCTTCGACTTTAATGTCTCCTT GCAGGATCACTTCAAGTGGGTAAAGCAGGAATCTGAGATTTCGAAGGAATCTCAAGAAAT GGATGCTCGTCTCAAGTTGGATCTGGGCTTCAAGGAAGGACAAACCATCAAGTTGTGTAT CGGGAACATTACAACAAGAAAGGAGGTGCTTCTAAGCCAGGACTGCAAGGGGCGGGG CCTGAGCTTACTCCACCCCGGCAGCAGGCAAAAGTCACTATTTCCCTACCATCTCTC TCAGTTGCCATCAGCAATCATGTACCCACCCACCCATTTGAAATCTAACCATGGAGGC AGTGATGCAGATATTCTTTTACATCTGGATTCTCTGCTCTGGCAGACACCAACCCC ACTCCCGTTCTCTGTGAGCAATGAAGTTGTGGGAGAGAATTCAACACTGTCTCTCAGCTC TTGTTCCAACCGCCACACAGCCATTCAACTTGGCCCAGNTCTGAATGCCCTTGCCCGG GCACTTAACGGCAACACTTGAGGAACATAAAAGGACCTTTGAGGCCACCAATCTGCGAGG GAAGTAGGGACCCCATTTCTCCCCACACAGAGTGCCCGACCATTTTTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015509
Insert Size:	2920 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_015509.2 , NP_056324.2
RefSeq Size:	2563 bp
RefSeq ORF:	828 bp
Locus ID:	25977
UniProt ID:	Q8NC96
Cytogenetics:	12p13.31

Gene Summary:

This gene encodes a protein containing two characteristic WXXF motifs. The encoded protein localizes to clathrin-coated vesicles, where it binds components of the adapter protein complexes and aids in endocytosis. Loss of function of this gene results in early infantile epileptic encephalopathy-21. There is a pseudogene for this gene on chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Transcript Variant: This variant (1) encodes a functional protein.