

Product datasheet for SC317580

Neuronal calcium binding protein (NECAB3) (NM_031231) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuronal calcium binding protein (NECAB3) (NM_031231) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neuronal calcium binding protein
Synonyms:	APBA2BP; dj63M2.4; dj63M2.5; EFCBP3; NIP1; STIP3; SYTIP2; XB51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317580 representing NM_031231. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGCGTGC GCGGGGCTGCTCACCGTGTGCCTGCTCCGGCCGCCCGCGCCCCAGCCCCAGCCCCAGACC
 CCGCGGCACCCCCAGCTCGCGCCGACCCGGGGCCCGCGGACACACGCTCTTCCAGGACGTTTTCCGC
 AGAGCAGACAAGAATGATGATGGGAAGCTCTCATTTGAGGAATTCAGAATTACTTTGCCGATGGGGTT
 CTCAGCCTGGGGAGCTGCAGGAAGTTCAGCGGCATTGATGGGCATCTCACGACAATTTAGAAACA
 GAAAACTGTGTGACTACTTCTCAGAGCACCTGGGTGTCTACCGCCGGTGTGGCTGCATTGGAATCG
 CTGAACCGTGCAGTGCTCGCTGCCATGGATGCCACCAAGCTGGAGTACGAGAGGGCCTCAAAGTGGAC
 CAGTTTGTGACGCGCTTCTGCTGCGGGAGACGGTGAGCCAGCTCAAGCCCTTCAGAGCTCGCTGGAG
 GGGCGCTCAGATACCCTGGAGGCCAGGCCCATGGCTGGCGGTGATGCAGAGAGCGTGGAGGCGCAG
 AGCAGGCTCTGCGGCAGCCGGCGGGCAGGACGCCGAGCCCTGAGGAGTGTGAGCCGGTATCCACCTGG
 TCCCCCGCTCTTCTGACACAGGGCGCAGCTCAGAGGCCGAGATGAGTGGCGGTCCAGGTGAACCGC
 CTCCAGGAGCTCATCGACAGCTCGAGTGCAAGGCCCGCGGTGGAACCCCTGCGTGAAGAGGACCTG
 GCCAAGGGGCTGACTTGACATCCTCATGGCCAGAGGAGTCCAGGTGGCAGAGGAAGGCTGCAG
 GACTTCCACCGAGCCCTGCGCTGCTATGTGGACTTCACAGGGGCCAGAGCCATTGTCTGCATGTGTCC
 GCCCAGAAGATGCTGGACGGTGCCTCCTCACCTGTATGAGTTCTGGCAGGATGAGGCTCCTGGAGA
 AGGCACACAGCAGTCGCTGGCAGCAAGGCTTCCAGCGCATCCTCATCGACCACCTGCGGGCCCCGGAC
 ACCCTCACCACTGTGTTCTTCCAGCCTCCTGGTGGATAATGAATAACAACGTA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_031231



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Insert Size:	1089 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:	<ol style="list-style-type: none"> 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:	<u>NM_031231.3</u>
RefSeq Size:	1961 bp
RefSeq ORF:	1089 bp
Locus ID:	63941
UniProt ID:	<u>Q96P71</u>
Cytogenetics:	20q11.22
Domains:	EFh
MW:	40.8 kDa
Gene Summary:	<p>The protein encoded by this gene interacts with the amino-terminal domain of the neuron-specific X11-like protein (X11L), inhibits the association of X11L with amyloid precursor protein through a non-competitive mechanism, and abolishes the suppression of beta-amyloid production by X11L. This protein, together with X11L, may play an important role in the regulatory system of amyloid precursor protein metabolism and beta-amyloid generation. The protein is phosphorylated by NIMA-related expressed kinase 2, and localizes to the Golgi apparatus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1), also known as XB51beta, lacks an alternate in-frame segment compared to variant 2. The resulting isoform (1) is shorter compared to isoform 2.</p>