

Product datasheet for **SC304988**

SNAP-beta (NAPB) (NM_022080) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNAP-beta (NAPB) (NM_022080) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNAP-beta
Synonyms:	SNAP-BETA; SNAPB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304988 representing NM_022080. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACAACGCGGGGAAGGAGCGTGAGGCAGTACAGCTGATGGCGGAGGCCGAGAAGCGAGTCAAGGCC
TCCCACTCCTTCCCGAGGGCTGTTGGAGGAAACACAAGAATAGAAGAGGCTTGTGAAATGTATACC
AGAGCTGCAAATATGTTCAAGATGGCTAAAAATTGGAGTCTGCAGGAAACGCATTTTGTGAGGCAGCC
AAGCTCCACATGCAGCTTCAGAGCAAACATGACTCTGCTACCAGCTTTGTGGATGCTGAAATGCTTAC
AAAAAGGCAGATCCCAAGAGGCTATCAACTGCTTAAATGCAGCCATCGACATTTACACAGACATGGGA
AGGTTTACAATTGCAGCCAAGCACCACATTACTATTGCAGAGATCTATGAGACTGAACTTGTAGACATT
GAGAAGGCTATTGCACATTATGAACAATCTGCTGATTATTACAAAGGAGAAGAATCCAACAGCTCAGCA
AACAAAGTCTGCTGAAGGTGGCAGCATATGCTGCCAGCTTGAGCAGTACCAGAAAGCCATTGAGATC
TATGAGCAGGTTGGGGCAAACACAATGGATAATCCTTTGTTGAAATACAGTGCAAAGGATTACTTCTTC
AAAGCTGCCCTCTGCCACTTCATAGTAGACGAGTTGAATGCCAAGCTTGCTCTTGAGAAATATGAGGAA
ATGTTTCCAGCATTTACTGATTCAGAGAAATGTAATTTGAAAAAATCCTAGAAAGCTCATGAAGAA
CAGAACAGTGAAGCTTCACTGAAGCAGTGAAGGAATTTGACTCAATATCTCGCTTGGATCAGTGGCTG
ACCACCATGTTGCTTCGCATCAAAAAGTCCATCCAAGGGGATGGAGAAGGAGATGGAGACCTAAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_022080
Insert Size:	897 bp



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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_022080.2</u>
RefSeq Size:	3871 bp
RefSeq ORF:	897 bp
Locus ID:	63908
UniProt ID:	<u>Q9H115</u>
Cytogenetics:	20p11.21
MW:	33.6 kDa
Gene Summary:	<p>This gene encodes a member of the soluble N-ethyl-maleimide-sensitive fusion attachment protein (SNAP) family. SNAP proteins play a critical role in the docking and fusion of vesicles to target membranes as part of the 20S NSF-SNAP-SNARE complex. This gene encodes the SNAP beta isoform which has been shown to be preferentially expressed in brain tissue. The encoded protein also interacts with the GluR2 &#945;-amino-3-hydroxy-5-methyl-4-isoxazolepropionate (AMPA) receptor subunit C-terminus and may play a role as a chaperone in the molecular processing of the AMPA receptor. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p>