

## Product datasheet for **SC334890**

### SNAP-beta (NAPB) (NM\_001283020) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNAP-beta (NAPB) (NM_001283020) 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:	>NCBI ORF sequence for NM_001283020, the custom clone sequence may differ by one or more nucleotides

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ATGGACAACGCGGGGAAGGAGCGTGAGGCAGTACAGCTGATGGCGGAGGCCGAGAAGCGAGTCAAGGCCT
CCCCTCCTTCCCGAGGGCTGTTGGAGGAAACACAAGAATAGAAGAGGCTTGTGAAATGTATACCAG
AGCTGCAAATATGTTCAAGATGGCTAAAAATTGGAGTGAGGCTATCAACTGCTTAAATGCAGCCATCGAC
ATTTACACAGACATGGGAAGGTTTACAATTGCAGCCAAGCACCACATTACTATTGCAGAGATCTATGAGA
CTGAACTGTAGACATTGAGAAGGCTATTGCACATTATGAACAATCTGCTGATTATTACAAAGGAGAAGA
ATCCAACAGCTCAGCAAACAAGTGTCTGCTGAAGGTGGCAGCATATGCTGCCAGCTTGAGCAGTACCAG
AAAGCCATTGAGATCTATGAGCAGGTTGGGGCAAACAATGGATAATCCTTTGTTGAAATACAGTGCAA
AGGATTACTTCTCAAAGCTGCCCTCTGCCACTTCATAGTAGACGAGTTGAATGCCAAGCTTGCTCTTGA
GAAATATGAGGAAATGTTTCCAGCATTTACTGATTCAAGAGAATGTAAATTATTGAAAAAATCCTAGAA
GCTCATGAAGAACAGAACAGTGAAGCTTACACTGAAGCAGTGAAGGAATTTGACTCAATATCTCGCTTGG
ATCAGTGGCTGACCACCATGTTGCTTCGCATCAAAAAGTCCATCCAAGGGGATGGAGAAGGAGATGGAGA
CCTAAAATGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001283020
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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001283020.1, NP_001269949.1</u>
<b>RefSeq Size:</b>	3754 bp
<b>RefSeq ORF:</b>	780 bp
<b>Locus ID:</b>	63908
<b>UniProt ID:</b>	<u>Q9H115</u>
<b>Cytogenetics:</b>	20p11.21
<b>Gene Summary:</b>	<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 &amp;#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 (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (c) that is shorter than isoform a.</p>