

Product datasheet for SC300202

beta Synuclein (SNCB) (NM_001001502) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	beta Synuclein (SNCB) (NM_001001502) Human Untagged Clone
Tag:	Tag Free
Symbol:	beta Synuclein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300202 representing NM_001001502. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACGTGTTTCATGAAGGGCCTGTCCATGGCCAAGGAGGGCGTTGTGGCAGCCGCGGAGAAAACCAAG
CAGGGGGTCACCGAGGCGCGGAGAAGACCAAGGAGGGCGTCTCTACGTCGGAAGCAAGACCCGAGAA
GGTGTGGTACAAGGTGTGGCTTCAGTGGCTGAAAAACCAAGGAACAGGCCTCACATCTGGGAGGAGCT
GTGTTCTCTGGGGCAGGGAACATCGCAGCAGCCACAGGACTGGTGAAGAGGGAGGAATTCCTACTGAT
CTGAAGCCAGAGGAAGTGGCCAGGAAGCTGCTGAAGAACCACTGATTGAGCCCTGATGGAGCCAGAA
GGGAGAGTTATGAGACCCACCCAGGAGGAATATCAGGAGTATGAGCCAGAGGCGTAG
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001001502
Insert Size:	405 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.



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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_001001502.2</u>
RefSeq Size:	1594 bp
RefSeq ORF:	405 bp
Locus ID:	6620
UniProt ID:	<u>Q16143</u>
Cytogenetics:	5q35.2
MW:	14.3 kDa
Gene Summary:	<p>This gene encodes a member of a small family of proteins that inhibit phospholipase D2 and may function in neuronal plasticity. The encoded protein is abundant in lesions of patients with Alzheimer disease. A mutation in this gene was found in individuals with dementia with Lewy bodies. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Variants 1, 2 and 7 encode the same protein (isoform 1).</p>