

Product datasheet for **SC208378**

SPTBN2 (NM_006946) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SPTBN2 (NM_006946) Human 3' UTR Clone
Symbol:	SPTBN2
Synonyms:	GTRAP41; SCA5; SCAR14
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006946
Insert Size:	2000 bp



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Insert Sequence: >SC208378 3'UTR clone of NM_006946
The sequence shown below is from the reference sequence of NM_006946. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CGCTTCAGCTTCTTTAAGAAGAACAAGAGTTGGGGCAAGGTCCCAGGCCAACTCCCTCCCTCCGTTC
AGGAAACTGCCAGGGACAGTCGACAGGGACCGCCTCTTGTCAGGACAACCTGCCTGCTAGGGCTCG
TTGCCAAGGTCAACCCATCACCAGGAAGTGTACTGGGGACGAGTCCATGTTCCCAAGGGCAGCCCTTC
TCTTCTGCTGTTAATTCAGACTGGTGGTGGGACCCAGGTAACCCCTCTCCACCCCCCGCGACTTC
TCCCTTTCCCGAGCCTCGTGCCTCTGTCCCTACCCAGGTGTGGACAGTGCCGACCCCTCAACATAGG
CCATGTGGGGAGTGGCTGCCCTGCCTCAGGGTATTCTCCTGCCATGCGAGGGCACTCGCCTTCTGCC
TTCTGGTTCCTACCCCTCAGACCAGCCAGGAACCTCTCAGAGCTGAAGCAGGCCCTGGGGCAGAAGT
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CATCTCCAGCTGCTCTCAATGGCTTCCAGGTGTGTTGTTGCGGGACAGCCACCGCCTTGAGTCTGGCCA
AGGAGGTGATTAAACAGCTCAGCTTCTCTACCGCCTCTGGGTGTCTTTGCTTCTCTGACACAGCCTC
TCTGCCAAGCCTGTGTCTCTCCTTCCGTTCTGGTCTCCTTCATCTCACGTTTCCCGAGCCTCCAAGC
TCTTGAAGAGCCGTGTACACTGAGAGCTTCCCTGACCTGGTCTCATTTCCCTCTGACAGTGACCTCCA
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ATTACAGCGTGAGCCACCATGCCAGCTGAGACTACCTTCTGGATCTGATGAAGTATTAGAAAGGAGC
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GACGAAGACCGAGTTAGGTGTGTGACAGGCCAGAACTAGCACATCACAGCCCAGAGTGGGCTCCAAAC
CGGTAGACCAGAGAGCCTGCAGGATAATTTCCCTTAAGATGGGTAGATTTACTGTTCCACAGCCAAC
AGGTGGATACGCGTAAC TAGACAATCTGTATGGGACTAAGTGAAGAATCCATCAGCACTACACAG
AGCGGACCGACTTACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCG
CAACCTGCCATCAGGAGATTCGATTCCACCGCCGC
  
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Restriction Sites: SgfI-RsrII

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_006946.4](#)

Summary:	Spectrins are principle components of a cell's membrane-cytoskeleton and are composed of two alpha and two beta spectrin subunits. The protein encoded by this gene (SPTBN2), is called spectrin beta non-erythrocytic 2 or beta-III spectrin. It is related to, but distinct from, the beta-II spectrin gene which is also known as spectrin beta non-erythrocytic 1 (SPTBN1). SPTBN2 regulates the glutamate signaling pathway by stabilizing the glutamate transporter EAAT4 at the surface of the plasma membrane. Mutations in this gene cause a form of spinocerebellar ataxia, SCA5, that is characterized by neurodegeneration, progressive locomotor incoordination, dysarthria, and uncoordinated eye movements. [provided by RefSeq, Dec 2009]
Locus ID:	6712
MW:	73.9