

Product datasheet for **SC203163**

Spectrin beta chain, brain 3 (SPTBN4) (NM_025213) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Spectrin beta chain, brain 3 (SPTBN4) (NM_025213) Human 3' UTR Clone
Symbol: Spectrin beta chain, brain 3
Synonyms: CMND; NEDHND; QV; SPNB4; SPTBN3
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_025213
Insert Size: 288 bp
Insert Sequence: >SC203163 3'UTR clone of NM_025213
The sequence shown below is from the reference sequence of NM_025213. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCATTGACAGCCCCCTTCTCAATGGAATGACAACAGCCAATATCTGTGTGGCGCCTCTGTGTGCTAGGC
ACTGTTCTAGGTGCTTCGTGTGATTTCAGACCCCTTTTTAGGCCTGTCATTGGGGACTTCGGTCATGG
GGCATCCTTCTGTCCGCTGTCCCTCCAGTTGCCTATTATTACCCTCTCCATGGGATGTCACAGCATGA
AACAGGCTAAAGACAGGATGGGCAAGGGAGGTGTGGGACTGTATTGTGAGGGTGGTGAAGAATTCTA
ACAATTCCAGCA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-Mlul

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_025213.3](#)



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Summary:

Spectrin is an actin crosslinking and molecular scaffold protein that links the plasma membrane to the actin cytoskeleton, and functions in the determination of cell shape, arrangement of transmembrane proteins, and organization of organelles. It is composed of two antiparallel dimers of alpha- and beta- subunits. This gene is one member of a family of beta-spectrin genes. The encoded protein localizes to the nuclear matrix, PML nuclear bodies, and cytoplasmic vesicles. A highly similar gene in the mouse is required for localization of specific membrane proteins in polarized regions of neurons. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID:

57731

MW:

10.6