

Product datasheet for **RC224633L4V**

Spectrin beta chain, brain 3 (SPTBN4) (NM_025213) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Spectrin beta chain, brain 3
Synonyms:	CMND; NEDHND; QV; SPNB4; SPTBN3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_025213
ORF Size:	2034 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC224633).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq:	NM_025213.2
RefSeq Size:	2419 bp
RefSeq ORF:	2037 bp
Locus ID:	57731
UniProt ID:	Q9H254
Cytogenetics:	19q13.2



Domains: CH, PH, spectrin

MW: 77.2 kDa

Gene 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]