

Recombinant Human SPTBN1 cell lysate, Myc/DDK-tagged

Cat. No. SPTBN1-200HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human spectrin, beta, non-erythrocytic 1 (SPTBN1), transcript variant 1 cell lysate which is a transient overexpression lysate with a C-terminal Myc/DDK tag was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 contains an N-terminal actin-binding domain, and 17 spectrin repeats which are involved in dimer formation. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	274.4 kDa
Usage	1 vial of 100 g gene specific transient over-expression cell lysate in RIPA buffer. 1 vial of 100 g empty vector transfected control cell lysate in RIPA buffer. 1 vial of 250 µl 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT).
Stability	Lysate samples are stable for 12 months from date of receipt when stored at -20

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centigrade. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20centigrade for long term storage. Lysate samples are stable for 12 months from date of receipt when stored at -20centigrade.

Storage

Upon receiving, store the sample at -20 centigrade. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage.

GENE INFORMATION

Gene Name [SPTBN1 spectrin beta, non-erythrocytic 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [SPTBN1](#)

Synonyms SPTBN1; spectrin beta, non-erythrocytic 1; ELF; SPTB2; HEL102; betaSpII; spectrin beta chain, non-erythrocytic 1; beta-G spectrin; beta-II spectrin; beta-fodrin; beta-spectrin 2; beta-spectrin II; beta-spectrin non-erythrocytic 1; embryonic liver beta-fodrin; epididymis luminal protein 102; fodrin beta chain; spectrin beta chain, brain 1; spectrin, non-erythroid beta chain 1

Gene ID [6711](#)

mRNA Refseq [NM_003128](#)

Protein Refseq [NP_003119](#)

MIM [182790](#)

UniProt ID [Q01082](#)

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