

Recombinant Human SPTAN1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. SPTAN1-257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPTAN1 MS Standard C13 and N15-labeled recombinant protein (NP_003118) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Spectrins are a family of filamentous cytoskeletal proteins that function as essential scaffold proteins that stabilize the plasma membrane and organize intracellular organelles. Spectrins are composed of alpha and beta dimers that associate to form tetramers linked in a head-to-head arrangement. This gene encodes an alpha spectrin that is specifically expressed in nonerythrocytic cells. The encoded protein has been implicated in other cellular functions including DNA repair and cell cycle regulation. Mutations in this gene are the cause of early infantile epileptic encephalopathy-5. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2010]
Molecular Mass	285 kDa
AA Sequence	MDPSGVKVLETAEDIQERRQQVLDTRYHRFKELSTLRRQKLEDSYRFQFFQRDAEEL EKWIQEKLQIASDENYKDPTNLQGKLQKHQAFAEVQANSQAIVKLDGTGNLMISEG HFASSETIRTRLMELHRQWELLLEKMREKGIKLLQAQKLQVYLRECEVDMDWINDKEA IVTSEELGQDLEHVEVLQKKFEEFQTDMAAHEERVNEVNQFAAKLIQEHPPEELIKT

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KQDEVNAAWQRLKGLALQRQGKLFGAEEVQRFNRDVDETISWIKKEQLMASDDF
GRDLASVQALLRKHEGLERDLAALEDKVKALCAEADRLQQSHPLSATQIQVKREELI
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EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SPTAN1 spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) [Homo sapiens (human)]

Official Symbol SPTAN1

Synonyms SPTAN1; spectrin, alpha, non-erythrocytic 1 (alpha-fodrin); spectrin alpha chain, brain; alpha-II spectrin; fodrin alpha chain; spectrin, non-erythroid alpha chain; NEAS;

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EIEE5; SPTA2; FLJ17738; FLJ44613;

Gene ID 6709

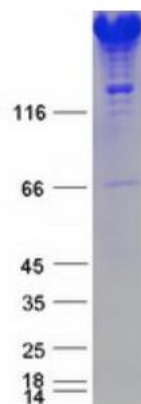
mRNA Refseq NM_003127

Protein Refseq NP_003118

MIM 182810

UniProt ID Q13813

SDS-PAGE



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