Recombinant Human SPTAN1, His-tagged

Cat. No. SPTAN1-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPTAN1 (Ser289~Gly408) fussed with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	289-408 a.a.
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.
Molecular Mass	15.2kDa
Purity	> 95%
Applications	SDS-PAGE, Western Blot, ELISA, Immunoprecipitation
Usage	For Research Use Only

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Storage	Can be stored at 4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	SPTAN1 spectrin, alpha, non-erythrocytic 1 [Homo sapiens]
Official Symbol	SPTAN1
Synonyms	NEAS; EIEE5; SPTA2; spectrin alpha chain, non-erythrocytic 1; alpha-II spectrin; alpha-fodrin; fodrin alpha chain; spectrin, non-erythroid alpha chain; spectrin, non-erythroid alpha subunit
Gene ID	670
mRNA Refseq	NM_001130438
Protein Refseq	NP_001123910
MIM	182810
UniProt ID	Q13813
Chromosome Location	9q34.11
Pathway	Caspase cascade in apoptosis, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem; Developmental Biology, organism-specific biosystem

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Function	protein binding; protein heterodimerization activity; spectrin binding

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