

Recombinant Human SPTAN1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SPTAN1 (Ser289~Gly408) fused 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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