

Recombinant Mouse Sptan1, His-tagged

Cat. No. Sptan1-36M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sptan1 (Ala2082~Val2288) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	2082-2288 a.a.
Description	The spectrins are a family of widely distributed cytoskeletal proteins which are involved in actin crosslinking. The protein encoded by this gene is a spectrin alpha-chain which heterodimerizes with tissue-specific beta-chains. It 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	25.8kDa
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 [*Mus musculus*]

Official Symbol

Sptan1

Synonyms

Spna2; Spna-2; 2610027H02Rik; spectrin alpha chain, non-erythrocytic 1; alpha-II spectrin; alpha-fodrin; alpha-spectrin 2, brain; fodrin alpha chain; spectrin alpha 2; spectrin alpha chain, brain; spectrin, non-erythroid alpha chain

Gene ID

20740

mRNA Refseq

NM_001076554

Protein Refseq

NP_001070022

Chromosome Location

2 B; 2 20.93 Cm

Pathway

Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Axon guidance, organism-specific biosystem

Function

actin binding; calcium ion binding; calmodulin binding

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