Recombinant Mouse Sptan1, His-tagged

Cat. No. Sptan1-34M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sptan1 (Ile1049~Ser1207) fussed with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1049-1207 a.a.
Description	The spectrins are a family of widely distributed cytoskeletal proteins which are involved in actin crosslinking. The protein enocoded 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	19.7kDa
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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