Recombinant Human SPG21 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SPG21-3706H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPG21 MS Standard C13 and N15-labeled recombinant protein (NP_001121361) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene binds to the hydrophobic C-terminal amino acids of CD4 which are involved in repression of T cell activation. The interaction with CD4 is mediated by the noncatalytic alpha/beta hydrolase fold domain of this protein. It is thus proposed that this gene product modulates the stimulatory activity of CD4. Mutations in this gene are associated with autosomal recessive spastic paraplegia 21 (SPG21), also known as mast syndrome. Alternative splicing results in multiple transcript variants.
Molecular Mass	35 kDa
AA Sequence	MGEIKVSPDYNWFRGTVPLKKIIVDDDDSKIWSLYDAGPRSIRCPLIFLPPVSGTADV FFRQILALTGWGYRVIALQYPVYWDHLEFCDGFRKLLDHLQLDKVHLFGASLGGFLA QKFAEYTHKSPRVHSLILCNSFSDTSIFNQTWTANSFWLMPAFMLKKIVLGNFSSGP VDPMMADAIDFMVDRLESLGQSELASRLTLNCQNSYVEPHKIRDIPVTIMDVFDQSA LSTEAKEEMYKLYPNARRAHLKTGGNFPYLCRSAEVNLYVQIHLLQFHGTKYAAIDP SMVSAEELEVQKGSLGISQEEQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

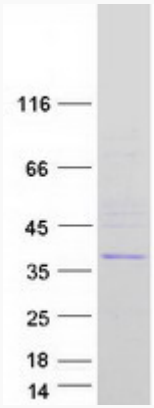
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SPG21 SPG21 abhydrolase domain containing, maspardin [Homo sapiens (human)]
Official Symbol	SPG21
Synonyms	SPG21; spastic paraplegia 21 (autosomal recessive, Mast syndrome); maspardin; ACP33; BM 019; GL010; MAST; acid cluster protein 33; spastic paraplegia 21 protein; spastic paraplegia 21 autosomal recessive Mast syndrome protein; BM-019; MASPARDIN;
Gene ID	51324
mRNA Refseq	NM_001127889
Protein Refseq	NP_001121361
MIM	608181
UniProt ID	Q9NZD8

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SDS-PAGE	

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