

Recombinant Human SPG21, His-tagged

Cat. No. SPG21-30665TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SPG21 fused to His-tag at N-terminus; amino acids 1-308 , 37.1kDa.
Species	Human
Source	E.coli
ProteinLength	1-308 a.a.
Description	The protein encoded by this gene was identified by a two-hybrid screen using CD4 as the bait. It 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. At least three different transcript variants encoding two different isoforms have been found for this gene.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 20mM Tris HCl, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MGEIKVSPDY NWFRGTVPLK KIIVDDDDSK
 IWSLYDAGPR SIRCPLIFLP PVSGTADVFF RQILALTGWG YRVIALQYPV
 YWDHLEFCDG FRKLLDHLQL DKVHLFGASL GGFLAQKFAE YTHKSPRVHS
 LILCNSFSDT SIFNQWTWTAN SFWLMPAFML KKIVLGNFSS GPVDPMMAA
 IDFMVDRLES LGQSELASRL TLNCQNSYVE PHKIRDIPVT IMDVFDQSAL
 STEAKEEMYK LYPNARRAHL KTGGNFPYLC RSAEVNLYVQ IHLLQFHGTK
 YAAIDPSMVS AEELEVQKGS LGISQEEQ

Full Length

Full L.

GENE INFORMATION

Gene Name

SPG21 spastic paraplegia 21 (autosomal recessive, Mast syndrome) [Homo sapiens]

Official Symbol

SPG21

Synonyms

SPG21; spastic paraplegia 21 (autosomal recessive, Mast syndrome); maspardin; ACP33; BM 019; GL010; MAST;

Gene ID

51324

mRNA Refseq

NM_001127889

Protein Refseq

NP_001121361

MIM

608181

Uniprot ID

Q9NZD8

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Chromosome Location	15q21-q22
Function	CD4 receptor binding;