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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGEIKVSPDY NWFRGTVPLK KIIVDDDDSK IWSLYDAGPR SIRCPLIFLP PVSGTADVFF RQILALTGWG YRVIALQYPV YWDHLEFCDG FRKLLDHLQL DKVHLFGASL GGFLAQKFAE YTHKSPRVHS LILCNSFSDT SIFNQTWTAN SFWLMPAFML KKIVLGNFSS GPVDPMMADA 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Chromosome Location	15q21-q22
Function	CD4 receptor binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA