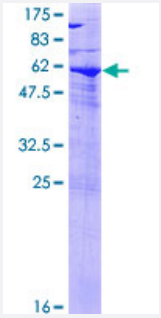
Full-Length

SPG21 (Human) Recombinant Protein (P01)

Catalog # H00051324-P01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human SPG21 full-length ORF (NP_057714.1, 1 a.a. - 308 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGEIKVSPDYNWFRGTVPLKKIIVDDDDSKIWSLYDAGPRSIRCPLIFLPPVSGTADVFFRQILALTG WGYRVIALQYPVYWDHLEFCDGFRKLLDHLQLDKVHLFGASLGGFLAQKFAEYTHKSPRVHSLIL CNSFSDTSIFNQTWTANSFWLMPAFMLKKIVLGNFSSGPVDPMMADAIDFMVDRLESLGQSELA SRLTLNCQNSYVEPHKIRDIPVTIMDVFDQSALSTEAKEEMYKLYPNARRAHLKTGGNFPYLCRSA EVNLYVQIHLLQFHGTKYAAIDPSMVSAEELEVQKGSLGISQEEQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	61.4
Interspecies Antigen Sequence	Mouse (98); Rat (82)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SPG21

Entrez GeneID	51324
GeneBank Accession#	NM_016630.3
Protein Accession#	NP_057714.1
Gene Name	SPG21
Gene Alias	ACP33, BM-019, GL010, MASPARDIN, MAST
Gene Description	spastic paraplegia 21 (autosomal recessive, Mast syndrome)
Omim ID	248900 608181
Gene Ontology	Hyperlink
Gene Summary	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 do main 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 f or this gene. [provided by RefSeq
Other Designations	acid cluster protein 33|spastic paraplegia 21