

Recombinant Mouse SPG21 Protein, GST & His-tagged

Cat. No. SPG21-914M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse SPG21 isoform 1 (Q9CQC8-1) (Met 1-Pro 308) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	1-308 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 3mM DTT, 10% glycerol1, 5%~8% trehalose and mannitol.
Molecular Mass	The secreted recombinant mouse SPG21/GST chimera consists of 545 amino acids and has a calculated molecular mass of 62.8kDa. The recombinant protein migrates as an approximately 52 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

 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

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Spg21 spastic paraplegia 21 homolog (human) [Mus musculus]

Official Symbol SPG21

Synonyms SPG21; spastic paraplegia 21 homolog (human); maspardin; acid cluster protein 33; spastic paraplegia 21 autosomal recessive Mast syndrome protein homolog; MAST; ACP33; GL010; BM-019; C78576; D9Wsu18e;

Gene ID 27965

mRNA Refseq NM_138584

Protein Refseq NP_613050

MIM

UniProt ID

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