

## Recombinant Mouse SPG21 Protein, GST & His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-308 a.a.
<b>Predicted N Terminal</b>	Met
<b>Form</b>	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 3mM DTT, 10% glycerol1, 5%~8% trehalose and mannitol.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>90 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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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](#);

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