

## 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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