

## Recombinant Human SPG21 protein, GST-tagged

**Cat. No.** SPG21-872H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SPG21 protein(NP_057714.1) (Met 1-Gln 308) was expressed in Insect Cells with the GST tag at the N-terminus.                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                |
| <b>Source</b>           | Insect Cells                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-308 aa                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol.                                                                                                                |
| <b>Molecular Mass</b>   | The recombinant human SPG21/GST chimera consists of 533 amino acids and predicts a molecular mass of 61 kDa which is also estimated by SDS-PAGE.                                     |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                             |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                     |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

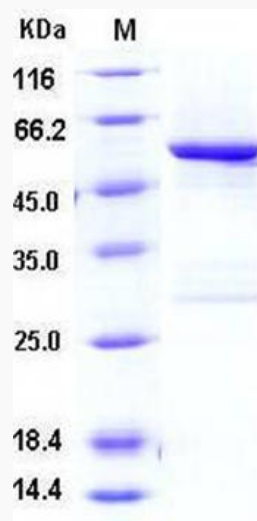
|                        |                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SPG21 spastic paraplegia 21 (autosomal recessive, Mast syndrome) [ Homo sapiens ]                                                                                                                                                                     |
| <b>Official Symbol</b> | SPG21                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>        | SPG21; spastic paraplegia 21 (autosomal recessive, Mast syndrome); maspardin; ACP33; BM 019; GL010; MAST; acid cluster protein 33; spastic paraplegia 21 protein; spastic paraplegia 21 autosomal recessive Mast syndrome protein; BM-019; MASPARDIN; |
| <b>Gene ID</b>         | 51324                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_001127889                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_001121361                                                                                                                                                                                                                                          |
| <b>MIM</b>             | 608181                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>      | Q9NZD8                                                                                                                                                                                                                                                |

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SDS-PAGE



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