

Mouse SPG21 (His & GST Tag) recombinant protein



Catalog Number: 501861

General Information

Gene Name Synonym

Acid cluster protein 33; Spastic paraplegia 21 autosomal recessive Mast syndrome protein homolog

Protein Construction

A DNA sequence encoding the mouse SPG21 isoform 1 (Q9CQC8-1) (Met 1-Pro 308) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

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.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 3mM DTT, 10% glycerol
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

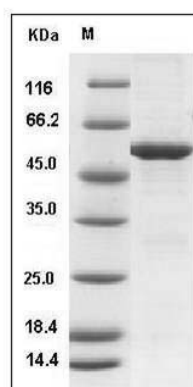
Storage

Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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SDS-PAGE