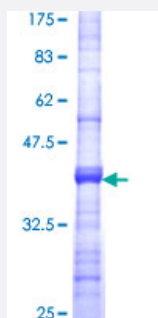


SPG3A (Human) Recombinant Protein (Q01)

Catalog # H00051062-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SPG3A partial ORF (NP_056999, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAKNRRDRNSWGGFSEKTYEWSSEEEEPVKKAGPVQVLVKDDHSFELDETALNRILLSEAVRD KEVVAVSVAGAFRKGKSFLMDFMLRYMYNQESVDWV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ATL1

Entrez GeneID [51062](#)

GeneBank Accession# [NM_015915](#)

Protein Accession# [NP_056999](#)

Gene Name ATL1

Gene Alias AD-FSP, FSP1, GBP3, SPG3, SPG3A, atlastin1

Gene Description atlastin GTPase 1

Omim ID [182600](#) [606439](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a GTPase and a Golgi body transmembrane protein. The encoded protein can form a homotetramer and has been shown to interact with spastin and with mitogen-activated protein kinase kinase kinase 4. This protein may be involved in axonal maintenance as evidenced by the fact that defects in this gene are a cause of spastic paraplegia type 3. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations GTP-binding protein 3|atlastin-1|brain-specific GTP-binding protein|guanine nucleotide-binding protein 3|guanylate-binding protein 3

Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Multiple Sclerosis](#)
- [Spastic Paraplegia](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)