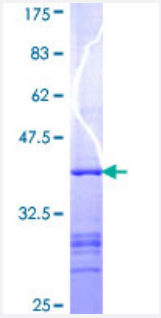
SPG7 (Human) Recombinant Protein (Q01)

Catalog # H00006687-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SPG7 partial ORF (NP_003110, 655 a.a. - 754 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	TRIAYSMVKQFGMAPGIGPISFPEAQEGLMGIGRRPFSQGLQQMMDHEARLLVAKAYRHTEKVLQ DNLDKLQALANALLEKEVINYEDIEALIGPPPHGP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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 — SPG7

Entrez GeneID	6687
GeneBank Accession#	NM_003119
Protein Accession#	NP_003110
Gene Name	SPG7
Gene Alias	CAR, CMAR, FLJ37308, MGC126331, MGC126332, PGN, SPG5C
Gene Description	spastic paraplegia 7 (pure and complicated autosomal recessive)
Omim ID	602783 607259
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a nuclear-encoded mitochondrial metalloprotease protein that is a member of the AAA (ATPases associated with a variety of cellular activities) protein family. Members of this protein family share an ATPase domain and have roles in diverse cellular processes including me mbrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. Tw o transcript variants encoding distinct isoforms have been identified for this gene. Mutations asso ciated with this gene cause autosomal recessive spastic paraplegia 7. [provided by RefSeq
Other Designations	cell adhesion regulator|cell matrix adhesion regulator|paraplegin, isoform 1|spastic paraplegia 7

Disease

- Disease Progression
- Genetic Predisposition to Disease
- Kidney Failure

- Motor Neuron Disease
- Multiple Sclerosis
- Paraparesis
- Spastic Paraplegia