

Recombinant Human ATL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATL1-1062H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATL1 MS Standard C13 and N15-labeled recombinant protein (NP_056999) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	63.4 kDa
AA Sequence	MAKNRRDRNSWGGFSEKTYEWSSEEEEPVKKAGPVQVLIVKDEHSFELDETALNRI LLSEAVRDKEVVAVSVAGAFRKGKSFLMDFMLRYMYNQESVDWVG DYNEPLTGFS WRGGSERETTGIQIWSEIFLINKPDGKKVAVLLMDTQGT FDSQSTLRDSATVFALST MISSIQVYNLSQNVQEDDLQHLQLCTEYGR LAMEETFLKPFQSLIFLVRDWSFPYEF SYGADGGAKFLEKRLKVSGNQHEELQNVRKHIHSCFTNISCFLLPHPGLKVATNPNF DGKLKEIDDEFIKNLKILIPWLLSPESLDIKEINGNKITCRGLVEYFKAYIKIYQGEELPH PKSMLQATAEANNLA AVATAKDTYNKKMEEICGGDKPFLAPNDLQTKHLQLKEESV

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KLFRGVKKMGGEFSRRYLQQLSEIDELIYIYIKHNDSKNIFHAARTPATLFVVIFIT
YVIAGVTGFIGLDIIASLCNMIMGLTLITLCTWAYIRYSGEYRELGAVIDQVAAALWDQ
GSTNEALYKLYSAAATHRHLYHQAFPTPKSESTEQSEKKKMTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ATL1 atlastin GTPase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ATL1](#)

Synonyms ATL1; atlastin GTPase 1; spastic paraplegia 3A (autosomal dominant), SPG3, SPG3A; atlastin-1; AD FSP; atlastin; FSP1; GBP-3; hGBP3; GTP-binding protein 3; guanylate-binding protein 3; spastic paraplegia 3 protein A; brain-specific GTP-binding protein; guanine nucleotide-binding protein 3; GBP3; SPG3; HSN1D; SPG3A; AD-FSP; atlastin1;

Gene ID [51062](#)

mRNA Refseq [NM_015915](#)

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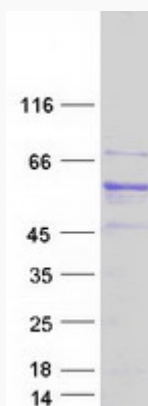
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Protein Refseq NP_056999

MIM 606439

UniProt ID Q8WXF7

SDS-PAGE



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