

Recombinant Human ATL1, GST-tagged

Cat. No. ATL1-9984H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATL1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	N-term-350a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	ATL1 atlastin GTPase 1 [Homo sapiens]
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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_001127713
Protein Refseq	NP_001121185
MIM	606439
UniProt ID	Q8WXF7
Chromosome Location	14q21.3
Function	GTP binding; GTPase activity; hydrolase activity; identical protein binding; nucleotide binding; protein binding;