

Product Information

MemDX™ Membrane Protein Human ATL1 (Atlastin GTPase 1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX1915K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human ATL1 membrane protein expressed *in vitro* *E.coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ATL1

Protein Length

Full Length

Protein Class

Receptor

TMD

2

Sequence

MAKNRRDRNSWGGFSEKTYEWSSEEEPVKKAGPVQVLIVKDDHSFELDETALNRILLSEAVRDKEVVAVSVAGAFRKGSFLMD

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ATL1

Full Name

Atlastin GTPase 1

Introduction

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.

Alternative Names

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

Gene ID

[51062](#)

UniProt ID

[Q8WXF7](#)