

# Product Information

## MemDX™ Membrane Protein Human ATL1 (Atlastin GTPase 1) Full Length

Cat. No.: **MPC2446K**

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

This product is a made-to-order Human ATL1 membrane protein expressed in HEK293. 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

MAKNRRDRNSWGGFSEKTYEWSSEEEPVKKAGPVQVLIVKDDHSFELDE  
TALNRILLSEAVRDKEVVAVSVAGAFRKGKSFLMDFLRYMYNQESVDWV  
GDYNEPLTGFWSRGGERTTGQIWEIFLINKPDGKKVAVLLMDTQGT  
FDSQSTLRDSATVFA  
LSTMISSIQVYNLSQNVQEDDLQHLQLFTEYGR  
LA  
MEETFLKPFQSLIFLVRDWSFPYEFSYGADGGAKFLEKRLKVSGNQHEEL  
QNVRKHIHSCFTNISCFLLPHPGLKVATNPNF  
DGKLKEIDDEFIKNLKIL  
IPWLLSPESLDIKEINGNKITC  
RGLVEYFKAYIKIYQGEELPHPK  
SMLQA  
TAEANNLAAVATAKDTYNKKMEEICGGDKPFLAPNDLQ  
TKHLQLKEESVK  
LFRGVKKMGGEEFSRRY  
LQQLESEI  
DELYIQYIKHND  
SKNIFHAARTPAT  
LFVVIFITYVIAGVTGFIGLDI  
IASLCNMIMGLT  
LITLCTWAYI  
RYS  
GEY  
RELGAVIDQVAA  
ALWDQGSTNEALYKLY  
SAAATHR  
HLYHQAFPTPK  
SEST  
EQSEKKKM

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°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](#)