

Product datasheet for RC202310L4V

OriGene Technologies, Inc.

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SPG3A (ATL1) (NM_015915) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: SPG3A (ATL1) (NM 015915) Human Tagged ORF Clone Lentiviral Particle

Symbol: SPG3A

Synonyms: AD-FSP; atlastin1; FSP1; GBP3; HSN1D; SPG3; SPG3A

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_015915 **ORF Size:** 1674 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC202310).

OTI Disclaimer:

Sequence:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 015915.3

 RefSeq Size:
 2271 bp

 RefSeq ORF:
 1677 bp

 Locus ID:
 51062

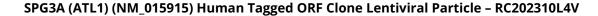
 UniProt ID:
 Q8WXF7

 Cytogenetics:
 14q22.1

Protein Families: Druggable Genome, Transmembrane

MW: 63.4 kDa







Gene Summary:

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 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. [provided by RefSeq, Jul 2008]