

## Product datasheet for RC221700L2V

## OriGene Technologies, Inc.

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## SPFH2 (ERLIN2) (NM 007175) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: SPFH2 (ERLIN2) (NM 007175) Human Tagged ORF Clone Lentiviral Particle

Symbol: SPFH2

Synonyms: C8orf2; Erlin-2; NET32; SPFH2; SPG18

**Mammalian Cell** 

Selection:

None

**Vector:** pLenti-C-mGFP (PS100071)

Tag: mGFP

**ACCN:** NM\_007175 **ORF Size:** 1017 bp

**ORF Nucleotide** 

Sequence:

MW:

The ORF insert of this clone is exactly the same as(RC221700).

OTI Disclaimer: 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 007175.5

 RefSeq Size:
 4767 bp

 RefSeq ORF:
 1020 bp

 Locus ID:
 11160

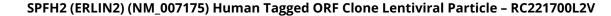
 UniProt ID:
 094905

 Cytogenetics:
 8p11.23

 Domains:
 Band\_7

37.7 kDa







**Gene Summary:** 

This gene encodes a member of the SPFH domain-containing family of lipid raft-associated proteins. The encoded protein is localized to lipid rafts of the endoplasmic reticulum and plays a critical role in inositol 1,4,5-trisphosphate (IP3) signaling by mediating ER-associated degradation of activated IP3 receptors. Mutations in this gene are a cause of spastic paraplegia-18 (SPG18). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]