

## Product datasheet for **RC214215L1V**

### OPHN1 (NM\_002547) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	OPHN1 (NM_002547) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OPHN1
Synonyms:	ARHGAP41; MRX60; OPN1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002547
ORF Size:	2406 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214215).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_002547.1</a>
RefSeq Size:	7350 bp
RefSeq ORF:	2409 bp
Locus ID:	4983
UniProt ID:	<a href="#">O60890</a>
Cytogenetics:	Xq12
Domains:	RhoGAP, PH
Protein Families:	Druggable Genome


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**MW:** 91.5 kDa

**Gene Summary:** This gene encodes a Rho-GTPase-activating protein that promotes GTP hydrolysis of Rho subfamily members. Rho proteins are important mediators of intracellular signal transduction, which affects cell migration and cell morphogenesis. Mutations in this gene are responsible for OPHN1-related X-linked cognitive disability with cerebellar hypoplasia and distinctive facial dysmorphism. [provided by RefSeq, Jul 2008]