

Product datasheet for **RC221955L4V**

OVCA1 (DPH1) (NM_001383) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	OVCA1 (DPH1) (NM_001383) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OVCA1
Synonyms:	DEDSSH; DPH2L; DPH2L1; OVCA1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001383
ORF Size:	1329 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221955).
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.
RefSeq:	NM_001383.3
RefSeq Size:	2200 bp
RefSeq ORF:	1317 bp
Locus ID:	1801
UniProt ID:	Q9BZG8
Cytogenetics:	17p13.3
Domains:	Diphthamide_syn
MW:	48.6 kDa



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Gene Summary:

The protein encoded by this gene is an enzyme involved in the biosynthesis of diphthamide, a modified histidine found only in elongation factor-2 (EEF2). Diphthamide residues in EEF2 are targeted for ADP-ribosylation by diphtheria toxin and Pseudomonas exotoxin A. Defects in this gene have been associated with both ovarian cancer and autosomal recessive intellectual disability with short stature, craniofacial, and ectodermal anomalies. [provided by RefSeq, Oct 2016]