

## Product datasheet for **MR216667L3V**

### Dph1 (NM\_144491) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Dph1 (NM_144491) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dph1
Synonyms:	2310011M22Rik; 4930488F09Rik; AW551873; Dph2I1; Ovca1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_144491
ORF Size:	1314 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216667).
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_144491.2</a> , <a href="#">NP_652762.2</a>
RefSeq Size:	2103 bp
RefSeq ORF:	1317 bp
Locus ID:	116905
UniProt ID:	<a href="#">Q5NCQ5</a>
Cytogenetics:	11 45.76 cM



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**Gene Summary:**

Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2). Acts also as a tumor suppressor in lung and breast cancers. Plays a role in embryonic growth, organogenesis and postnatal survival. When overexpressed, suppresses colony formation ability and growth rate of ovarian cancer cells (By similarity).[UniProtKB/Swiss-Prot Function]