

Product datasheet for **RR214509L4V**

Dohh (NM_001025006) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dohh (NM_001025006) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Dohh
Synonyms:	RGD1304783
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001025006
ORF Size:	906 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR214509).
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_001025006.1 , NP_001020177.1
RefSeq Size:	1541 bp
RefSeq ORF:	909 bp
Locus ID:	314644
UniProt ID:	Q5PPJ4
Cytogenetics:	7q11



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Gene Summary:

Catalyzes the hydroxylation of the N(6)-(4-aminobutyl)-L-lysine intermediate produced by deoxyhypusine synthase/DHPS on a critical lysine of the eukaryotic translation initiation factor 5A/eIF-5A. This is the second step of the post-translational modification of that lysine into an unusual amino acid residue named hypusine. Hypusination is unique to mature eIF-5A factor and is essential for its function.[UniProtKB/Swiss-Prot Function]