

Product datasheet for **RC203172L4V**

PDE6D (NM_002601) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE6D (NM_002601) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE6D
Synonyms:	JBTS22; PDED
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002601
ORF Size:	450 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203172).
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_002601.2
RefSeq Size:	1214 bp
RefSeq ORF:	453 bp
Locus ID:	5147
UniProt ID:	O43924
Cytogenetics:	2q37.1
Protein Pathways:	Progesterone-mediated oocyte maturation, Purine metabolism
MW:	17.4 kDa



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Gene Summary:

This gene encodes the delta subunit of rod-specific photoreceptor phosphodiesterase (PDE), a key enzyme in the phototransduction cascade. A similar protein in cow functions in solubilizing membrane-bound PDE. In addition to its role in the PDE complex, the encoded protein is thought to bind to prenyl groups of proteins to target them to subcellular organelles called cilia. Mutations in this gene are associated with Joubert syndrome-22. Alternative splicing results in multiple splice variants. [provided by RefSeq, Mar 2014]