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Product datasheet for RC200445L1V

PDE6 beta (PDE6B) (NM_000283) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE6 beta (PDE6B) (NM_000283) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE6 beta
Synonyms:	CSNB3; CSNBAD2; GMP-PDEbeta; PDEB; rd1; RP40
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000283
ORF Size:	2559 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200445).
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_000283.2
RefSeq Size:	3414 bp
RefSeq ORF:	2565 bp
Locus ID:	5158
UniProt ID:	P35913
Cytogenetics:	4p16.3
Domains:	PDEase, GAF, HDc
Protein Families:	Druggable Genome

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MW: 98.2 kDa

Gene Summary: Photon absorption triggers a signaling cascade in rod photoreceptors that activates cGMP phosphodiesterase (PDE), resulting in the rapid hydrolysis of cGMP, closure of cGMP-gated cation channels, and hyperpolarization of the cell. PDE is a peripheral membrane heterotrimeric enzyme made up of alpha, beta, and gamma subunits. This gene encodes the beta subunit. Mutations in this gene result in retinitis pigmentosa and autosomal dominant congenital stationary night blindness. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]