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Product datasheet for RC217760L3V

PDE8B (NM_003719) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE8B (NM_003719) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE8B
Synonyms:	ADSD; PPNAD3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003719
ORF Size:	2655 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217760).
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_003719.2
RefSeq Size:	3570 bp
RefSeq ORF:	2658 bp
Locus ID:	8622
UniProt ID:	O95263
Cytogenetics:	5q13.3
Domains:	PAS, PDEase
Protein Families:	Druggable Genome

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Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

MW: 98.8 kDa

Gene Summary: The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]