

# Product datasheet for TP311956M

#### OriGene Technologies, Inc.

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## PDE4 (PDE4B) (NM\_002600) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4

dunce homolog, Drosophila) (PDE4B), transcript variant a, 100 µg

Species: Human Expression Host: HEK293T

**Expression cDNA Clone** >RC211956 representing NM\_002600 or AA Sequence: Red=Cloning site Green=Tags(s)

MKKSRSVMTVMADDNVKDYFECSLSKSYSSSSNTLGIDLWRGRRCCSGNLQLPPLSQRQSERARTPEGDG ISRPTTLPLTTLPSIAITTVSQECFDVENGPSPGRSPLDPQASSSAGLVLHATFPGHSQRRESFLYRSDS DYDLSPKAMSRNSSLPSEQHGDDLIVTPFAQVLASLRSVRNNFTILTNLHGTSNKRSPAASQPPVSRVNP QEESYQKLAMETLEELDWCLDQLETIQTYRSVSEMASNKFKRMLNRELTHLSEMSRSGNQVSEYISNTFL DKQNDVEIPSPTQKDREKKKKQQLMTQISGVKKLMHSSSLNNTSISRFGVNTENEDHLAKELEDLNKWGL NIFNVAGYSHNRPLTCIMYAIFQERDLLKTFRISSDTFITYMMTLEDHYHSDVAYHNSLHAADVAQSTHV LLSTPALDAVFTDLEILAAIFAAAIHDVDHPGVSNQFLINTNSELALMYNDESVLENHHLAVGFKLLQEE HCDIFMNLTKKQRQTLRKMVIDMVLATDMSKHMSLLADLKTMVETKKVTSSGVLLLDNYTDRIQVLRNMV HCADLSNPTKSLELYRQWTDRIMEEFFQQGDKERERGMEISPMCDKHTASVEKSQVGFIDYIVHPLWETW ADLVQPDAQDILDTLEDNRNWYQSMIPQSPSPPLDEQNRDCQGLMEKFQFELTLDEEDSEGPEKEGEGHS YFSSTKTLCVIDPENRDSLGETDIDIATEDKSPVDT

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**V** 

Tag: C-Myc/DDK
Predicted MW: 83.2 kDa

**Concentration:** >0.05 μg/μL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.



#### PDE4 (PDE4B) (NM\_002600) Human Recombinant Protein - TP311956M

Storage: Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 002591

**Locus ID:** 5142

UniProt ID: <u>Q07343</u>, <u>X5DNX5</u>

RefSeq Size: 4264 Cytogenetics: 1p31.3 RefSeq ORF: 2208

Synonyms: DPDE4; PDEIVB

Summary: This gene is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide

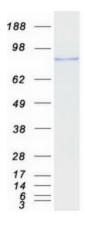
phosphodiesterase (PDE) family. The encoded protein regulates the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. Altered activity of this protein has been associated with schizophrenia and bipolar affective disorder. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different

isoforms. [provided by RefSeq, Jul 2014]

**Protein Families:** Druggable Genome

**Protein Pathways:** Progesterone-mediated oocyte maturation, Purine metabolism

## **Product images:**



Coomassie blue staining of purified PDE4B protein (Cat# [TP311956]). The protein was produced from HEK293T cells transfected with PDE4B cDNA clone (Cat# [RC211956]) using MegaTran 2.0 (Cat# [TT210002]).