

Recombinant Human PDE4B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDE4B-1691H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDE4B MS Standard C13 and N15-labeled recombinant protein (NP_002591) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	83.2 kDa
AA Sequence	MKKSRSVMTVMADDNVKDYFECSLSKSYSSSSNTLGIDLWRGRRCCSGNLQLPPL SQRQSERARTPEGDGISRPTTLPLTTLPSIAITTVSQECFDVENGPSPGRSPLDPQA SSSAGLV LHATFPGHSQRRESFLYRSDSDYDLSPKAMSRNSSLPSEQHGDDLIVTP FAQVLASLRSVRNNFTILTNLHGTSNKRSPAASQPPVSRVNPQEESYQKLAMETLEE LDWCLDQLETIQTYRSVSEMASNKFKRMLNRELTHLSEMSRSGNQVSEYISNTFLD KQNDVEIPSPTQKDREKKKKQQLMTQISGVKKLMHSSSLNNTSISRFGVNTENEDHL AKELEDLNKWGLNIFNVAGYSHNRPLTCIMYAIFQERDLLKTRISSDTFITYMMTLED

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HYHSDVAYHNSLHAADVAQSTHVLLSTPALDAVFTDLEILAAIFAAAIHDVDHPGVSN
 QFLINTNSELALMYNDESVLENHHLAVGFKLLQEEHCDIFMNLTKKQRQTLRKMVID
 MVLATDMSKHMSLLADLKTMTVETKKVTSSGVLLLDNYTDRIQVLRNMVHCADLSNP
 TKSLELYRQWTDRIEEMFFQQGDKERERGMEISPMCDKHTASVEKSQVGFIDYIVH
 PLWETWADLVQPDAQDILDTLEDNRNWWYQSMIPQSPSPPLDEQNRDCQGLMEKFQ
 FELTLDEEDSEGPEKEGEGHSYFSSTKTLCTVIDPENRDSLGETDIDIATEDKSPVDTT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PDE4B phosphodiesterase 4B [Homo sapiens (human)]

Official Symbol PDE4B

Synonyms

PDE4B; phosphodiesterase 4B, cAMP-specific; DPDE4, phosphodiesterase 4B, cAMP specific (dunce (Drosophila) homolog phosphodiesterase E4), phosphodiesterase 4B, cAMP specific (phosphodiesterase E4 dunce homolog, Drosophila); cAMP-specific 3,5-cyclic phosphodiesterase 4B; phosphodiesterase E4 dunce homolog (Drosophila); PDE32; dunce-like phosphodiesterase E4; cAMP-specific phosphodiesterase-4 B isoform; phosphodiesterase 4B, cAMP-specific

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(phosphodiesterase E4 dunce homolog, Drosophila); DPDE4; PDE4B5; PDEIVB;
MGC126529; DKFZp686F2182;

Gene ID 5142

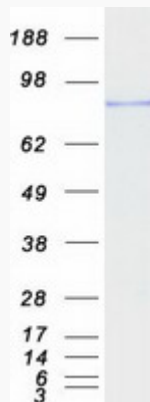
mRNA Refseq NM_002600

Protein Refseq NP_002591

MIM 600127

UniProt ID Q07343

SDS-PAGE



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