

Product datasheet for **TP310416M**

PDE7B (NM_018945) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human phosphodiesterase 7B (PDE7B), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC210416 protein sequence
Red=Cloning site **Green**=Tags(s)

MSCLMVERCGEILFENPDQNAKCVCM LGDIRLRGQTGVRAERRGSYPFIDFRLLNSTTYSGEIGTKKKVK
RLLSFQRYFHASRLLRG IIPQAPLHLLDEDYLGQARHMLS KVGMMWDFDIFLFDRLTNGNSLVTLLCHLFN
THGLIHFFKLD MVT LHRFLVMVQEDYHSQNPNYHNAVHAADVTQAMHCYLKEPKLASFLTPLDIMLGLLAA
AAHDVDHPGVNQPFLIKTNHHLANLYQNMSVLENHHWRSTIGMLRESRLLAHLPKEMTQDIEQQGLSLIL
ATDINRQNEFLTRLKAHLHNKDLRLEDAQDRHFMLQIALKCADICNPCR IWEMSKQWSERVCEEFYRQGE
LEQKFELEISPLCNQQKDSIPSIQIGFMSYIVEPLFREWAHFTGNSTLSENMLGHLAHNKAQWKSLLPRQ
HRSRGSSGSGPDHHDHAGQGTESEEQEGDSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 51.7 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.

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_061818](#)



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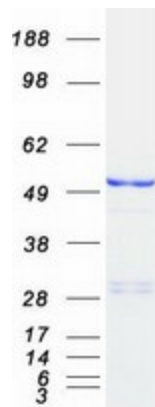
Locus ID: 27115
UniProt ID: [Q9NP56](#)
RefSeq Size: 5385
Cytogenetics: 6q23.3
RefSeq ORF: 1353
Synonyms: bA472E5.1

Summary: The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a cAMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family.[provided by RefSeq, Apr 2009]

Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



Coomassie blue staining of purified PDE7B protein (Cat# [TP310416]). The protein was produced from HEK293T cells transfected with PDE7B cDNA clone (Cat# [RC210416]) using MegaTran 2.0 (Cat# [TT210002]).