

## Product datasheet for **TP310416L**

### **PDE7B (NM\_018945) Human Recombinant Protein**

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human phosphodiesterase 7B (PDE7B), 1 mg              |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC210416 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s) |

MSCLMVERCGEILFENPDQNAKCVCM LGDIRLRGQTGVRAERRGSYPFIDFRLLNSTTYSGEIGTKKKVK  
RLLSFQRYFHASRLLRG IIPQAPLHLLDEDYLGQARHMLS KVGMMWDFDIFLFDRLTNGNSLVTLLCHLFN  
THGLIHFFKLD MVT LHRFLVMVQEDYHSQNPYHNAVHAADVTQAMHCYLKEPKLASFLTPLDIMLGLLAA  
AAHDVDHPGVNQPFLIKTNHHLANLYQNMSVLENHHWRSTIGMLRESRLLAHLPKEMTQDIEQQGLSLIL  
ATDINRQNEFLTRLKAHLHNKDLRLEDAQDRHFMLQIALKCADICNPCR IWEMSKQWSERVCEEFYRQGE  
LEQKFELEISPLCNQQKDSIPSIQIGFMSYIVEPLFREWAHFTGNSTLSENMLGHLAHNKAQWKSLLPRQ  
HRSRGSSGSGPDHDHAGQGTESEEQEGDSP

**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:        | <u><a href="#">NP_061818</a></u>   |



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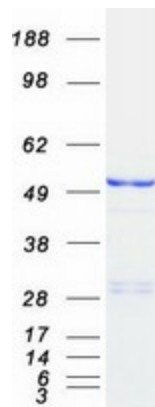
Locus ID: 27115  
UniProt ID: [Q9NP56](#)  
RefSeq Size: 5385  
Cytogenetics: 6q23.3  
RefSeq ORF: 1353  
Synonyms: bA472E5.1

**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]).