

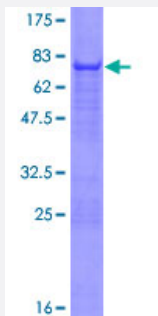
Full-Length

PDE7B (Human) Recombinant Protein (P01)

Catalog # H00027115-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PDE7B full-length ORF (NP_061818.1, 1 a.a. - 450 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSCLMVERCGEILFENPDQNAKVCMLGDIRLRGQTGVRAERRGSYPFIDFRLNSTTYSGEIGTK
KKVKRLLSFQRYFHASRLLRGIIPQAPLHLLDEDYLGQARHMLSKVGMWDFDIFLFDRLTNGNSLV
TLLCHLFNTHGLIHFKLDMVTLHRFLVMVQEDYHSQNPYHNAVHAADVTQAMHCYLKEPKLASF
LTPLDIMLGLLAAAAHDVDHPGVNQPFILKTNHHLANLYQNMSVLENHHWRSTIGMLRESRLLAHL
PKEMTQDIEQQLGSLILATDINRQNEFLTRLKAHLHNKDLRLEDAQDRHFMLQALKCADICNPCRI
WEMSKQWSERVCEEFYRQGELEQKFELEISPLCNQQKDSIPSIGFMSYVEPLFREWAHFTGN
STLSENMLGHLAHNKAQWKSLLPRQHRSRGSSSGSPDHDHAGQGTESEEQEGDSP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.2

Interspecies Antigen Sequence

Mouse (91); Rat (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PDE7B

Entrez GeneID	27115
GeneBank Accession#	NM_018945.3
Protein Accession#	NP_061818.1
Gene Name	PDE7B
Gene Alias	MGC88256, bA472E5.1
Gene Description	phosphodiesterase 7B
Omim ID	604645
Gene Ontology	Hyperlink
Gene 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
Other Designations	OTTHUMP00000017267 high-affinity cAMP-specific 3',5'-cyclic phosphodiesterase rolipram-insensitive phosphodiesterase type 7

Pathway

- [Purine metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)