Recombinant Human Phosphodiesterase 7B, GST-tagged

Cat. No. PDE7B-446H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human phosphodiesterase 7B, full length with N-terminal GST tag expressed in a*Baculovirus*infected Sf9 cell expression system. MW= 66 kDa.
Species	Human
Source	Sf9 Cells
Description	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.
Purity	>80%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.
Full Length	Full L.

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GENE INFORMATION

Gene Name	PDE7B phosphodiesterase 7B [Homo sapiens]
Synonyms	PDE7B; phosphodiesterase 7B; MGC88256; bA472E5.1; cAMP-specific 3",5"-cyclic phosphodiesterase 7B; EC 3.1.4.17; rolipram-insensitive phosphodiesterase type 7; high-affinity cAMP-specific 3",5"-cyclic phosphodiesterase
Gene ID	27115
mRNA Refseq	NM_018945
Protein Refseq	NP_061818
MIM	604645
UniProt ID	Q9NP56
Chromosome Location	6q23-q24
Pathway	Progesterone-mediated oocyte maturation; Purine metabolism; Signaling by GPCR
Function	3",5"-cyclic-AMP phosphodiesterase activity; hydrolase activity

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