

Recombinant Human PDE6D, His-tagged

Cat. No. PDE6D-2407H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDE6D, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 18.4 kDa (158aa).
Species	Human
Source	E.coli
Description	Human PDE6D was originally identified as a fourth subunit of rod-specific cGMP phosphodiesterase, PDE6. Catalytically active PDE6 is a heterodimer ($\alpha\beta$) that is regulated by two inhibitory γ subunits. As PDE6D does not modify the catalytic properties of PDE $\alpha\beta$, its function is still unresolved.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 100mM NaCl.
Purity	> 90% by SDS – PAGE.
Concentration	0.5mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MSAKDERARE ILRGFKLNWM NLRDAETGKI LWQGTEDLSV PGVEHEARVP KKILKCKAVS RELNFSSTEQ MEKFRLEQKV YFKGQCLEEW FFEFGFVIPN STNTWQSLIE AAPESQMMPA SVLTGNVIE TKFFDDDLLV STSRVRLFYV GSHHHHHH.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	PDE6D phosphodiesterase 6D, cGMP-specific, rod, delta [Homo sapiens]
Synonyms	phosphodiesterase 6D, cGMP-specific, rod, delta; PDED; PDE6D; retinal rod rhodopsin-sensitive cGMP 3",5"-cyclic phosphodiesterase subunit delta; protein p17; GMP-PDE delta; phosphodiesterase 6D; Protein p17
Gene ID	5147
mRNA Refseq	NM_002601
Protein Refseq	NP_002592
MIM	602676
UniProt ID	O43924
Chromosome Location	2q35-q36
Pathway	Purine metabolism
Function	3",5"-cyclic-nucleotide phosphodiesterase activity; protein binding

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