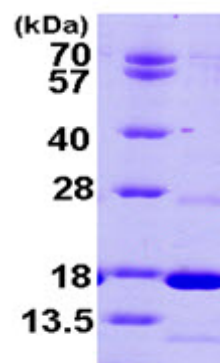


AR09463PU-N

Human PDE6D / PDED (1-150, His-tag) - Purified

Alternate names:	5'-cyclic phosphodiesterase subunit delta, GMP-PDE delta, Phosphodiesterase 6D, Phosphodiesterase-6D cGMP-specific, Protein p17, Retinal rod rhodopsin-sensitive cGMP 3'
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	O43924
NCBI:	NP_002592
GeneID:	5147
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS-PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 100 mM NaCl
Description:	Recombinant human PDE6D, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MSAKDERARE ILRGFKLNWM NLRDAETGKI LWQGTEDLSV PGVEHEARVP KKILKCKAVS RELNFSSTEQ MEKFRLEQKV YFKGQCLEEW FFEFGFVIPN STNTWQSLIE AAPESQMMPA SVLTGNVIE TKFFDDDLLV STSRVRLFYV <u>GSHHHHHH</u> Molecular weight: 18.4 kDa (158 aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Zhang H., et al, (2007) Proc Natl Acad Sci U S A. 104(21):8857-62. Dekomien., G. et al. (2003) Genet Sel Evol. 35(4):445-56.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human PDE6D, 1-150 aa,
His-tagged: 15% SDS-PAGE (3 ug)

