

Recombinant Full Length Human PDE6D Protein, C-Flag-tagged

Cat. No. PDE6D-480HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PDE6D Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes the delta subunit of rod-specific photoreceptor phosphodiesterase (PDE), a key enzyme in the phototransduction cascade. A similar protein in cow functions in solubilizing membrane-bound PDE. In addition to its role in the PDE complex, the encoded protein is thought to bind to prenyl groups of proteins to target them to subcellular organelles called cilia. Mutations in this gene are associated with Joubert syndrome-22. Alternative splicing results in multiple splice variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	17.2 kDa
AA Sequence	MSAKDERAREILRGFKLNWMNLRDAETGKILWQGTEDSLVPGVEHEARVPKKILKC KAVSRELNFSSTEQ MEKFRLEQKVYFKGQCLEEWFFFEFGFVIPNSTNTWQSLIEAA PESQMMPASVLTGNVVIETKFFDDDLLV STSRVRLFYVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Progesterone-mediated oocyte maturation, Purine metabolism
Full Length	Full L.

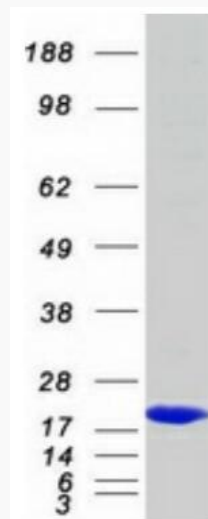
GENE INFORMATION

Gene Name	PDE6D phosphodiesterase 6D [Homo sapiens (human)]
Official Symbol	PDE6D
Synonyms	PDED; JBTS22
Gene ID	5147
mRNA Refseq	NM_002601.4
Protein Refseq	NP_002592.1
MIM	602676
UniProt ID	O43924

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Coomassie blue staining of purified PDE6D protein.

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