

Product datasheet for PH303172

PDE6D (NM_002601) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDE6D MS Standard C13 and N15-labeled recombinant protein (NP_002592)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203172
Predicted MW:	17.4 kDa
Protein Sequence:	>RC203172 protein sequence Red=Cloning site Green=Tags(s) MSAKDERAREILRGFKLNWMNLRDAETGKILWQGTEDLSVPGVEHEARVPKKILKCKAVSRELNFSSTEQ MEKFRLEQKVYFKGQCLEEWFVEFGFVIPNSTNTWQSLIEAAPESQMMPASVLTGNVIIETKFFDDDLLV STSRVRLFYV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002592
RefSeq Size:	1214
RefSeq ORF:	450
Synonyms:	JBTS22; PDED
Locus ID:	5147
UniProt ID:	O43924 , Q6IB24



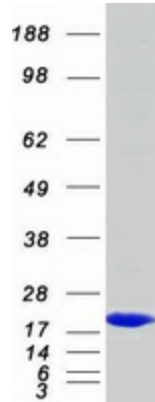
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Cytogenetics: 2q37.1

Summary: 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. [provided by RefSeq, Mar 2014]

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



Coomassie blue staining of purified PDE6D protein (Cat# [TP303172]). The protein was produced from HEK293T cells transfected with PDE6D cDNA clone (Cat# [RC203172]) using MegaTran 2.0 (Cat# [TT210002]).