

## Product datasheet for **AR09463PU-N**

### **PDE6D / PDED (1-150, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	PDE6D / PDED (1-150, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MSAKDERARE ILRGFKLNWM NLRDAETGKI LWQGTEDLSV PGVEHEARVP KKILKCKAVS RELNFSSTEQ MEKFRLEQKV YFKGQCLEEW FFEFGFVIPN STNTWQSLIE AAPESQMMPA SVLTGNVIE TKFFDDDLLV STSRVRLFYV <u>GSHHHHHH</u>
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	18.4 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS-PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 100 mM NaCl
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human PDE6D, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<u><a href="#">NP_001277947</a></u>
<b>Locus ID:</b>	5147
<b>UniProt ID:</b>	<u><a href="#">O43924</a></u> , <u><a href="#">B8ZZK5</a></u>
<b>Cytogenetics:</b>	2q37.1
<b>Synonyms:</b>	JBTS22; PDED



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**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:**