

Product datasheet for **AR51605PU-S**

PDE6H (1-83, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PDE6H (1-83, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSDNTTL PAPASNQGPT TPRKGPPKFK QRQTRQFKSK PPKKGVKGF G DDIPGMEGLG TDITVICPWE AFSHLELHEL AQFGII
Tag:	His-tag
Predicted MW:	11.5 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2 mM DTT, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PED6H protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_006196
Locus ID:	5149
UniProt ID:	Q13956
Cytogenetics:	12p12.3
Synonyms:	ACHM6; RCD3



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Summary:

This gene encodes the inhibitory (or gamma) subunit of the cone-specific cGMP phosphodiesterase, which is a tetramer composed of two catalytic chains (alpha and beta), and two inhibitory chains (gamma). It is specifically expressed in the retina, and is involved in the transmission and amplification of the visual signal. Mutations in this gene are associated with retinal cone dystrophy type 3A (RCD3A). [provided by RefSeq, Mar 2010]

Protein Pathways:

Progesterone-mediated oocyte maturation, Purine metabolism

Product images: