

## **Product datasheet for AR51605PU-N**

## 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com

OriGene Technologies, Inc.

EU: info-de@origene.com CN: techsupport@origene.cn

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

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** PDE6H (1-83, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** MGSSHHHHHH SSGLVPRGSH MGSMSDNTTL PAPASNQGPT TPRKGPPKFK QRQTRQFKSK

or AA Sequence: PPKKGVKGFG 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





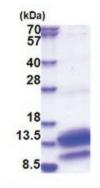
**Summary:** 

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:**



15% SDS-PAGE (3ug)