

## Product datasheet for TP316236L

### PDE6 gamma (PDE6G) (NM\_002602) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphodiesterase 6G, cGMP-specific, rod, gamma (PDE6G), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216236 protein sequence Red=Cloning site Green=Tags(s)
	MNLEPPKAEFRSATRVAGGPVTPRKGGPKFKQRQTRQFKSKPPKKGVQGFDDIPGMEGLGTDITVICPW EAFNHLELHELAQYGII
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	9.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_002593</a>
Locus ID:	5148
UniProt ID:	<a href="#">P18545</a>
RefSeq Size:	1064



[View online »](#)

Cytogenetics: 17q25.3

RefSeq ORF: 261

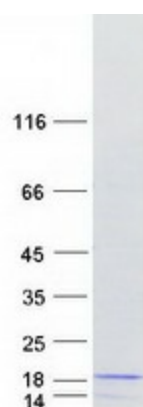
Synonyms: PDEG; RP57

**Summary:** This gene encodes the gamma subunit of cyclic GMP-phosphodiesterase, which is composed of alpha- and beta- catalytic subunits and two identical, inhibitory gamma subunits. This gene is expressed in rod photoreceptors and functions in the phototransduction signaling cascade. It is also expressed in a variety of other tissues, and has been shown to regulate the c-Src protein kinase and G-protein-coupled receptor kinase 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Progesterone-mediated oocyte maturation, Purine metabolism

### Product images:



Coomassie blue staining of purified PDE6G protein (Cat# [TP316236]). The protein was produced from HEK293T cells transfected with PDE6G cDNA clone (Cat# [RC216236]) using MegaTran 2.0 (Cat# [TT210002]).