

Recombinant Human PDE6G Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDE6G-1219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDE6G MS Standard C13 and N15-labeled recombinant protein (NP_002593) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	9.6 kDa
AA Sequence	MNLEPPKAEFRSATRVAGGPVTPRKGP PKFKQRQTRQFKSKPPKKG VQGFGDDIP GMEGLGTDITVICPWEAFNHLELHELAQYGIITRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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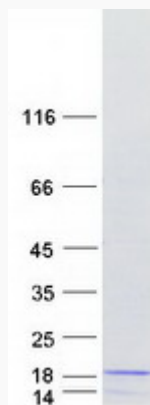
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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	PDE6G phosphodiesterase 6G [Homo sapiens (human)]
Official Symbol	PDE6G
Synonyms	PDE6G; phosphodiesterase 6G, cGMP-specific, rod, gamma; PDEG; retinal rod rhodopsin-sensitive cGMP 3,5-cyclic phosphodiesterase subunit gamma; rod cG-PDE G; GMP-PDE gamma; RP57; MGC125749; DKFZp686C0587;
Gene ID	5148
mRNA Refseq	NM_002602
Protein Refseq	NP_002593
MIM	180073
UniProt ID	P18545

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SDS-PAGE

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