

Product datasheet for PH310215

PDE6H (NM_006205) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDE6H MS Standard C13 and N15-labeled recombinant protein (NP_006196)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210215
Predicted MW:	9.1 kDa
Protein Sequence:	>RC210215 protein sequence Red =Cloning site Green =Tags(s) MSDNTTLPAPASNQGPTTPRKGPCKFKQRQTRQFKSKPPKKGKVGFGDDIPGMEGLGTDITVICPWEAFS HLELHELAQFGII TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006196
RefSeq Size:	763
RefSeq ORF:	249
Synonyms:	ACHM6; RCD3
Locus ID:	5149
UniProt ID:	Q13956
Cytogenetics:	12p12.3



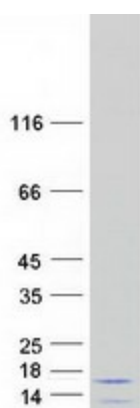
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Summary:

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:

Coomassie blue staining of purified PDE6H protein (Cat# [TP310215]). The protein was produced from HEK293T cells transfected with PDE6H cDNA clone (Cat# [RC210215]) using MegaTran 2.0 (Cat# [TT210002]).