Recombinant Human PDE11A 293 Cell Lysate

Cat. No. PDE11A-3354HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for phosphodiesterase 11A (PDE11A), transcript variant 4 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PDE11A phosphodiesterase 11A [Homo sapiens]
Official Symbol	PDE11A
Synonyms	PDE11A; phosphodiesterase 11A; dual 3,5-cyclic-AMP and -GMP phosphodiesterase 11A; cAMP and cGMP cyclic nucleotide phosphodiesterase 11A; PPNAD2; FLJ23693; MGC133355; MGC133356;
Gene ID	50940
mRNA Refseq	NM_001077196
Protein Refseq	NP_001070664
MIM	604961
UniProt ID	Q9HCR9
Chromosome Location	2q31.3
Pathway	G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Hemostasis, organism-specific biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem;

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	Platelet homeostasis, organism-specific biosystem;
Function	3,5-cyclic-GMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cAMP binding; cGMP binding; cGMP-stimulated cyclic-nucleotide phosphodiesterase activity; cyclic-nucleotide phosphodiesterase activity; hydrolase activity; metal ion binding;

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