Recombinant Human PDE4C 293 Cell Lysate

Cat. No. PDE4C-3351HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila) (PDE4C), transcript variant 1 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	PDE4C phosphodiesterase 4C, cAMP-specific [Homo sapiens]
Official Symbol	PDE4C
Synonyms	PDE4C; phosphodiesterase 4C, cAMP-specific; DPDE1, phosphodiesterase 4C, cAMP specific (dunce (Drosophila) homolog phosphodiesterase E1); cAMP-specific 3,5-cyclic phosphodiesterase 4C; phosphodiesterase E1 dunce homolog (Drosophila); PDE21; phosphodiesterase E1 dunce homolog; phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila); DPDE1; MGC126222;
Gene ID	5143
mRNA Refseq	NM_000923
Protein Refseq	NP_000914
MIM	600128
UniProt ID	Q08493
Chromosome Location	19p13.11
Pathway	DARPP-32 events, organism-specific biosystem; G Protein Signaling Pathways,

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	organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Opioid Signalling, organism-specific biosystem;
Function	3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; drug binding; hydrolase activity; metal ion binding; phosphoric diester hydrolase activity;

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