

## Recombinant Human PDE10A 293 Cell Lysate

**Cat. No.** PDE10A-3355HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for phosphodiesterase 10A (PDE10A), transcript variant 2 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** [PDE10A phosphodiesterase 10A \[ Homo sapiens \]](#)

**Official Symbol** PDE10A

**Synonyms** PDE10A; phosphodiesterase 10A; cAMP and cAMP-inhibited cGMP 3,5-cyclic phosphodiesterase 10A; phosphodiesterase 10A1 (PDE10A1); dJ416F21.1 (phosphodiesterase 10A); HSPDE10A; FLJ11894; FLJ25677;

**Gene ID** [10846](#)

**mRNA Refseq** [NM\\_001130690](#)

**Protein Refseq** [NP\\_001124162](#)

**MIM** [610652](#)

**UniProt ID** [Q9Y233](#)

**Chromosome Location** 6q26

**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; Platelet homeostasis, organism-specific biosystem;

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**Function**

3,5-cyclic-GMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cAMP binding; cAMP binding; cGMP binding; cGMP-stimulated cyclic-nucleotide phosphodiesterase activity; hydrolase activity; metal ion binding; nucleotide binding; phosphoric diester hydrolase activity;

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