

Recombinant Human PDE4D, GST-tagged

Cat. No. PDE4D-1601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDE4D protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-349aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	PDE4D phosphodiesterase 4D, cAMP-specific [Homo sapiens]
Official Symbol	PDE4D
Synonyms	PDE4D; phosphodiesterase 4D, cAMP-specific; DPDE3, phosphodiesterase 4D, cAMP specific (dunce (Drosophila) homolog phosphodiesterase E3); cAMP-specific 3,5-cyclic phosphodiesterase 4D; phosphodiesterase E3 dunce homolog (Drosophila); cAMP-specific phosphodiesterase PDE4D6; phosphodiesterase 4D,

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	cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila); DPDE3; PDE43; STRK1; HSPDE4D; PDE4DN2; FLJ97311; DKFZp686M11213;
Gene ID	5144
mRNA Refseq	NM_001104631
Protein Refseq	NP_001098101
MIM	600129
UniProt ID	Q08499
Chromosome Location	5q12
Pathway	DARPP-32 events, organism-specific biosystem; G Protein Signaling Pathways, 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; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;
Function	3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cAMP binding; drug binding; hydrolase activity; metal ion binding; phosphoric diester hydrolase activity;