

Recombinant Human PDE5A, GST-tagged

Cat. No. PDE5A-1603H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDE5A protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	320-481aa
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	PDE5A phosphodiesterase 5A, cGMP-specific [Homo sapiens]
Official Symbol	PDE5A
Synonyms	PDE5A; phosphodiesterase 5A, cGMP-specific; cGMP-specific 3,5-cyclic phosphodiesterase; phosphodiesterase isozyme 5; cGMP-specific phosphodiesterase PDE5A2; cGMP-specific phosphodiesterase type 5A; cGMP-binding cGMP-specific 3,5-cyclic nucleotide phosphodiesterase; CN5A; PDE5; CGB-PDE;

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Gene ID	8654
mRNA Refseq	NM_001083
Protein Refseq	NP_001074
MIM	603310
UniProt ID	O76074
Chromosome Location	4q27
Pathway	Hemostasis, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Platelet homeostasis, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; cGMP effects, organism-specific biosystem;
Function	3,5-cyclic-GMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cGMP binding; hydrolase activity; metal ion binding; nucleotide binding; zinc ion binding;

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