

Recombinant Human PDE4C, GST-tagged, Active

Cat. No. PDE4C-477H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman PDE4C (287-end) was expressed by <i>baculovirus</i> in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW=75kDa.
Species	Human
Source	Sf9 Cells
Protein Length	287-end a.a.
Description	PDE4C is a member of the phosphodiesterase (PDE) family that is cAMP-specific and has homology to the "dunce" gene of <i>Drosophila</i> . The "dunce" gene is one of several genes critical for normal learning and memory in the fly. Homozygous mutations in "dunce" cause defective short-term memory and behavioral defects. PDE4C is assigned to human chromosome 19 by Southern analyses while in situ hybridization localized the PDE4C gene to 19p13.1.
Sequence	287-end.
Applications	PDE Assay.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
22q13.33	19p13.11

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GENE INFORMATION

Gene Name	PDE4C phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila) [Homo sapiens]
Synonyms	PDE4C; phosphodiesterase 4C, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila); DPDE1; MGC126222; phosphodiesterase 4C; EC 3.1.4.17
Gene ID	5143
mRNA Refseq	NM_000923
Protein Refseq	NP_000914
MIM	600128
UniProt ID	Q08493
Pathway	Progesterone-mediated oocyte maturation; Purine metabolism; Signaling by GPCR
Function	3",5"-cyclic-AMP phosphodiesterase activity; hydrolase activity

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