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*baculovirus*in*Sf9 insect cells*using an N-terminal GST tag. MW=75kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	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 Drosophila. 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 –70oC. 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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