

Recombinant Human PDE4D Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDE4D-1687H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDE4D MS Standard C13 and N15-labeled recombinant protein (NP_006194) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes one of four mammalian counterparts to the fruit fly 'dunce' gene. The encoded protein has 3',5'-cyclic-AMP phosphodiesterase activity and degrades cAMP, which acts as a signal transduction molecule in multiple cell types. This gene uses different promoters to generate multiple alternatively spliced transcript variants that encode functional proteins.
Molecular Mass	76.3 kDa
AA Sequence	MHVNNFPFRRHSWICFDVDNGTSAGRSPLDPMTSPGSGLILQANFVHSQRRESFLY RSDSDYDLSPKSMRNSSIASDIHGDDLIVTPFAQVLASLRTVRNNFAALTNLQDRAP SKRSPMCNQPSINKATITEEAYQKLASETLEELDWCLDQLETQLTRHSVSEMASNKF KRMLNRELTHLSEMSRSGNQVSEFISNTFLDKQHEVEIPSPTQKEKEKKRPMSQIS GVKKLMHSSSLTNSSIPRFGVKTEQEDVLAKELEDVNKWGLHVFRIAELSGNRPLTVI MHTIFQERDLLKTFKIPVDTLITYLMTLEDHYHADVAYHNNIHAADVQSTHVLLSTPA LEAVFTDLEILAAIFASAIHDVDHPGVSNQFLINTNSELALMYNDSSVLENHHLAVGFK LLQEENCDFQNLTKKQRQSLRKMVIDIVLATDMSKHMNLLADLKTMTVETKKVTSSG

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VLLLDNYSDRIQVLQNMVHCADLSNPTKPLQLYRQWTDRIEIEFFRQGDREERERG
 MEISPMCDKHNASVEKSQVGFIDYIVHPLWETWADLVHPDAQDILDLTLEDNREWYQ
 STIPQSPSPAPDDPEEGRQGQTEKFQFELTLEEDGESDTEKDSGSQVEEDTSCSDS
 KTLCTQDSESTEIPLDEQVEEEAVGEEEEESQPEACVIDDRSPDTRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PDE4D phosphodiesterase 4D [Homo sapiens (human)]

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, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila); DPDE3; PDE43; STRK1; HSPDE4D; PDE4DN2; FLJ97311; DKFZp686M11213;

Gene ID 5144

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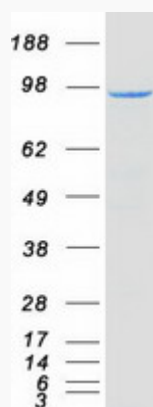
mRNA Refseq [NM_006203](#)

Protein Refseq [NP_006194](#)

MIM [600129](#)

UniProt ID [Q08499](#)

SDS-PAGE



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