

Product datasheet for TP312410L

PDE4D (NM_006203) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 duncce homolog, Drosophila) (PDE4D), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212410 representing NM_006203 Red=Cloning site Green=Tags(s)

MHVNNFPFRRHSWICFDVDNGTSAGRSPLDPMTSPGSLILQANFVHSQRRESFLYRSDSDYDLSPKMS
RNSSIADIHGDDLIVTPFAQVLAASLRTVRNNFAALTNLQDRAPSKRSPMCNQPSINKATITEEAYQKLA
SETLEELDWCDDQLETLQTRHSVSEMASNKFMRMLNRELTHLSEMSRSGNQVSEFISNTFLDKQHEVEIP
SPTQKEKEKKRPMSSQISGVKMLMHSSSLTNSSIPRFGVKTEQEDVLAKELEDVNVKWLHVFRIAEISGN
RPLTVIMHTIFQERDLLKTFKIPVDLITYLMTLEDHYHADVAYHNNIHAADVQSTHVLLSTPALEAVF
TDLEILAAIFASAIHDVDHPGVSQFLINTNSELALMYNDSSVLENHHLAVGFKLLQEENCDFQNLTKK
QRQSLRKMVIDIVLATDMSKHMNLLADLKTVMETKKVTSSGVLLLDNYSDRIQVQLQNMVHCADLSNPTKP
LQLYRQWTDRIEMEEFRQGDREERERGMEISPMCDKHNASVEKSQVGFIDYIVHPLWETWADLVHPDAQDI
LDTLEDNREWYQSTIPQSPAPDDPEEGRQGQTEKFQFELTLEEDGESDTEKDSGSQVEEDTSCSDSKT
LCTQDSESTEIPLDEQVEEEAVGEEESQPEACVIDDRSPDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

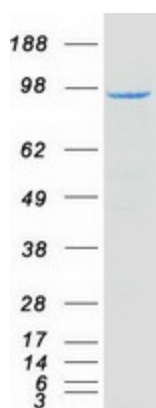
Tag:	C-Myc/DDK
Predicted MW:	76.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006194
Locus ID:	5144
UniProt ID:	Q08499
RefSeq Size:	5876
Cytogenetics:	5q11.2-q12.1
RefSeq ORF:	2016
Synonyms:	ACRDYS2; DPDE3; HSPDE4D; PDE4DN2; PDE43; STRK1
Summary:	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.[provided by RefSeq, Sep 2009]
Protein Families:	Druggable Genome
Protein Pathways:	Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



Coomassie blue staining of purified PDE4D protein (Cat# [TP312410]). The protein was produced from HEK293T cells transfected with PDE4D cDNA clone (Cat# [RC212410]) using MegaTran 2.0 (Cat# [TT210002]).