

## Product datasheet for TP312410

### PDE4D (NM\_006203) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 duncce homolog, Drosophila) (PDE4D), transcript variant 2, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC212410 representing NM_006203 Red=Cloning site Green=Tags(s)

MHVNNFPFRRHSWICFDVDNGTSAGRSPLDPMTSPGSLILQANFVHSQRRESFLYRSDSDYDLSPKMS  
RNSSIADIHGDDLIVTPFAQVLAASLRTVRNNFAALTNLQDRAPSKRSPMCNQPSINKATITEEAYQKLA  
SETLEELDWCLELQLETLQTRHSVSEMASNKFMRMLNRELTHLSEMSRSGNQVSEFISNTFLDKQHEVEIP  
SPTQKEKEKKRPMSSQISGVKKLMHSSSLTNSSIPRFGVKTEQEDVLAKELEDVNVKWLHVFRIAELSGN  
RPLTVIMHTIFQERDLLKTFKIPVDLITYLMTLEDHYHADVAYHNNIHAADVQSTHVLLSTPALEAVF  
TDLEILAAIFASAIHDVDHPGVSQFLINTNSELALMYNDSSVLENHHLAVGFKLLQEENCDFQNLTKK  
QRQSLRKMVIDIVLATDMSKHMNLLADLKTVMETKKVTSSGVLLLDNYSDRIQVQLQNMVHCADLSNPTKP  
LQLYRQWTDRIEMEEFRQGDREERERGMEISPMCDKHNASVEKSQVGFIDYIVHPLWETWADLVHPDAQDI  
LDTLEDNREWYQSTIPQSPSPAPDDPEEGRQGQTEKFQFELTLEEDGESDTEKDSGSQVEEDTSCSDSKT  
LCTQDSESTEIPLDEQVEEEAVGEEESQPEACVIDDRSPDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

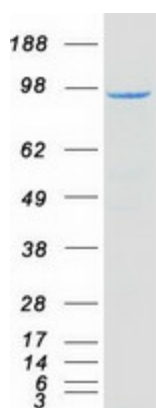
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	76.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein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



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006194</a>
<b>Locus ID:</b>	5144
<b>UniProt ID:</b>	<a href="#">Q08499</a>
<b>RefSeq Size:</b>	5876
<b>Cytogenetics:</b>	5q11.2-q12.1
<b>RefSeq ORF:</b>	2016
<b>Synonyms:</b>	ACRDYS2; DPDE3; HSPDE4D; PDE4DN2; PDE43; STRK1
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).