

# Product Datasheet

## Recombinant Human Phosphodiesterase 4D GST (N-Term) Protein H00005144-P01-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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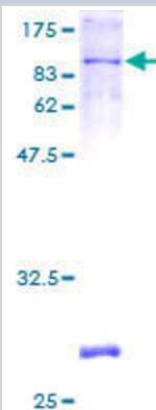
**H00005144-P01-2ug****Recombinant Human Phosphodiesterase 4D GST (N-Term) Protein**

<b>Product Information</b>	
<b>Unit Size</b>	2 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
<b>Target Molecular Weight</b>	82.72 kDa
<b>Product Description</b>	
<b>Description</b>	<p>Recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-518 of Human PDE4D</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MPEANYLLSVSWGVIKFKRMLNRELTHLSEMSRSGNQVSEFISNTFLDKQHEV  EIPSPTQKEKEKKRPMSQISGVKKLMHSSSLTNSSIPRFGVKTEQEDVLAKEL  EDVNKWGLHVFRIAEELSGNRPLTVIMHTIFQERDLLKTFKIPVDLITYLMTLEDH  YHADVAYHNNIHAADVQSTHVLLSTPALEAVFTDLEILAAIFASAIHDVDHPGVF  NQFLINTNSELALMYNDSSVLENHHLAVGFKLLQEENCDFQNLTKKQRQSLRK  MVIDIVLATDMSKHMNLLADLKTVMETKKVTSSGVLLLDNYSRIQVLQNMVHC  ADLSNPTKPLQLYRQWTDRIEEMFFRQGDREERERGMEISPMCDKHNASVEKS  QVGFDYIVHPLWETWADLVHPDAQDILDTLEDNREWYQSTIPQSPSPAPDDPE  EGRQGQTEKFQFELTLEEDGESDTEKDSGSQVEEDTSCSDSKTLCTQDSEST  EIPLDEQVEEEAVGEEEEESQPEACVIDDRSPDT</p>
<b>Gene ID</b>	5144
<b>Gene Symbol</b>	PDE4D
<b>Species</b>	Human
<b>Preparation Method</b>	in vitro wheat germ expression system
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Protein Array, SDS-Page, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, SDS-Page, Protein Array, Immunoaffinity Purification



## Images

SDS-Page: Recombinant Human Phosphodiesterase 4D Protein [H00005144-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Branham MT, Bustos MA, De Blas GA et al. Epac Activates the Small G Proteins Rap1 and Rab3A to Achieve Exocytosis. *J Biol Chem* 2009-09-11 [PMID: 19546222]

Branham MT, Mayorga LS, Tomes CN. Calcium-induced acrosomal exocytosis requires cAMP acting through a protein kinase A-independent, Epac-mediated pathway. *J Biol Chem*;281(13):8656-66. 2006-03-31 [PMID: 16407249]



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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