Datasheet for ABIN1782353

PDE4D Protein (AA 1-518) (GST tag)

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Overview

Quantity:	10 µg
Target:	PDE4D
Protein Characteristics:	AA 1-518
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE4D protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)

Product Details

Purpose:	PDE4D (Human) Recombinant Protein (P01)
Sequence:	MPEANYLLSV SWGYIKFKRM LNRELTHLSE MSRSGNQVSE FISNTFLDKQ HEVEIPSPTQ KEKEKKKRPM SQISGVKKLM HSSSLTNSSI PRFGVKTEQE DVLAKELEDV NKWGLHVFRI AELSGNRPLT VIMHTIFQER DLLKTFKIPV DTLITYLMTL EDHYHADVAY HNNIHAADVV QSTHVLLSTP ALEAVFTDLE ILAAIFASAI HDVDHPGVFN QFLINTNSEL ALMYNDSSVL ENHHLAVGFK LLQEENCDIF QNLTKKQRQS LRKMVIDIVL ATDMSKHMNL LADLKTMVET KKVTSSGVLL LDNYSDRIQV LQNMVHCADL SNPTKPLQLY RQWTDRIMEE FFRQGDRERE RGMEISPMCD KHNASVEKSQ VGFIDYIVHP LWETWADLVH PDAQDILDTL EDNREWYQST IPQSPSPAPD DPEEGRQGQT EKFQFELTLE EDGESDTEKD SGSQVEEDTS CSDSKTLCTQ DSESTEIPLD EQVEEEAVGE EEESQPEACV IDDRSPDT
Characteristics:	Human PDE4D full-length ORF (AAH36319, 1 a.a. - 518 a.a.) recombinant protein with GST-tag at N-terminal.

Product Details

Purification:	in vitro wheat germ expression system

Target Details

Target:	PDE4D
Alternative Name:	PDE4D (PDE4D Products)
Background:	Full Gene Name: phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila) Synonyms: DPDE3,HSPDE4D,PDE4DN2,STRK1
Gene ID:	5144
Pathways:	Cellular Response to Molecule of Bacterial Origin, cAMP Metabolic Process, Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Preparation method: in vitro, wheat germ expression system Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue.
Restrictions:	For Research Use only

Handling

Buffer:	50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.

Publications

Product cited in:	Branham, Bustos, De Blas, Rehmann, Zarelli, Treviño, Darszon, Mayorga, Tomes: "Epac activates the small G proteins Rap1 and Rab3A to achieve exocytosis." in: **The Journal of biological chemistry**, Vol. 284, Issue 37, pp. 24825-39, (2009) (PubMed). Branham, Mayorga, Tomes: "Calcium-induced acrosomal exocytosis requires cAMP acting through a protein kinase A-independent, Epac-mediated pathway." in: **The Journal of biological**

Publications

chemistry, Vol. 281, Issue 13, pp. 8656-66, (2006) (PubMed).

Images

SDS-PAGE

Image 1.

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