

Recombinant Human PDE4DIP Protein, His-tagged

Cat. No. PDE4DIP-2566H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDE4DIP Protein (Met1-Ile177) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ile177
Description	The protein encoded by this gene serves to anchor phosphodiesterase 4D to the Golgi/centrosome region of the cell. Defects in this gene may be a cause of myeloproliferative disorder (MBD) associated with eosinophilia. Several transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.0 kDa Accurate Molecular Mass: 26 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PDE4DIP phosphodiesterase 4D interacting protein [Homo sapiens (human)]
Official Symbol	PDE4DIP
Synonyms	PDE4DIP; phosphodiesterase 4D interacting protein; cardiomyopathy associated 2, CMYA2; myomegalin; KIAA0454; KIAA0477; MMGL; cardiomyopathy-associated protein 2; phosphodiesterase 4D-interacting protein; CMYA2; MGC75440; DKFZp781J054;
Gene ID	9659
mRNA Refseq	NM_014644
Protein Refseq	NP_055459

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MIM	608117
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UniProt ID	Q5VU43
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