

Recombinant Human HINT1 Protein (M1-G126), His tagged

Cat. No. HINT1-0473H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 6His-TEV-PKCi (M1-G126) (H114A) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-G126
Description	Exhibits adenosine 5'-monophosphoramidase activity, hydrolyzing purine nucleotide phosphoramidates with a single phosphate group such as adenosine 5'monophosphoramidate (AMP-NH ₂) to yield AMP and NH ₂ . Hydrolyzes adenosine 5'monophosphomorpholidate (AMP-morpholidate) and guanosine 5'monophosphomorpholidate (GMP-morpholidate). Hydrolyzes lysyl-AMP (AMP-N-epsilon-(N-alpha-acetyl lysine methyl ester)) generated by lysine tRNA ligase, as well as Met-AMP, His-AMP and Asp-AMP, lysyl-GMP (GMP-N-epsilon-(N-alpha-acetyl lysine methyl ester)) and AMP-N-alanine methyl ester. Hydrolyzes 3-indolepropionic acyl-adenylate, tryptamine adenosine phosphoramidate monoester and other fluorogenic purine nucleoside tryptamine phosphoramidates in vitro. Can also convert adenosine 5'-O-phosphorothioate and guanosine 5'-O-phosphorothioate to the corresponding nucleoside 5'-O-phosphates with concomitant release of hydrogen sulfide. In addition, functions as scaffolding protein that modulates transcriptional activation by the LEF1/TCF1-CTNNB1 complex and by the complex formed with MITF and CTNNB1. Modulates p53/TP53 levels and p53/TP53-mediated apoptosis.

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Modulates proteasomal degradation of target proteins by the SCF (SKP2-CUL1-F-box protein) E3 ubiquitin-protein ligase complex. Also exhibits SUMO-specific isopeptidase activity, deconjugating SUMO1 from RGS17. Deconjugates SUMO1 from RANGAP1.

Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	HINT1 histidine triad nucleotide binding protein 1 [Homo sapiens (human)]
Official Symbol	HINT1
Synonyms	HINT1; histidine triad nucleotide binding protein 1; HINT, histidine triad nucleotide binding protein, PRKCNH1; histidine triad nucleotide-binding protein 1; PKCI 1; protein kinase C inhibitor 1; adenosine 5-monophosphoramidase; protein kinase C-interacting protein 1; HINT; PKCI-1; PRKCNH1; FLJ30414; FLJ32340;

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Gene ID	3094
mRNA Refseq	NM_005340
Protein Refseq	NP_005331
MIM	601314
UniProt ID	P49773

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