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32-3960: HINT1 Recombinant Protein

Alternative Name :	HINT,PKCI-1,PRKCNH1,FLJ30414,FLJ32340,HINT1,Histidine triad nucleotide-binding protein 1,Adenosine 5'-monophosphoramidase,Protein kinase C inhibitor 1,Protein kinase C-interacting protein 1,PKCI1.

Description

Source : Escherichia Coli. HINT1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 126 amino acids (1-126 a.a.) and having a molecular mass of 13.8 kDa.The HINT1 is purified by proprietary chromatographic techniques. HINT1, also known as Histidine triad nucleotide-binding protein 1 is part of the superfamily named for a near C-terminal HXHXHXX motif (H:Histidine, X:a hydrophobic amino acid) positioned at the -phosphate of nucleotide substrates. HINT1 hydrolyzes adenosine 5'-monophosphoramidate substrates such as AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester and AMP-NH2. Though it was initially considered to be a protein kinase C inhibitor and act as a haplod-insufficient tumor suppressor including spontaneous tumor formation in Hint+/- and Hint-/- , its actual physiologic function is not known.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The HINT1 solution contains 20mM Tris pH-8 & 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MADEIAKAQV ARPGGDTIFG KIIRKEIPAK IIFEDDRCLA FHDISPQAPT HFLVIPKKHI SQISVAEDDD ESLLGHLMIV GKKCAADLGL NKGYRMVVNE GSDGGQSVYH VHLHVLGGRQ MHWPPG.

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