

Product information



HINT1, 1-126 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0327

Full name: Histidine triad nucleotide-binding protein 1

NCBI Accession No.: NP_005331

Synonyms: HINT, PKCI-1, PRKCNH1

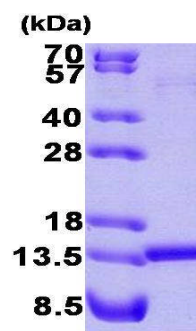
Description: HINT1, also known as Histidine triad nucleotide-binding protein 1, is a member of superfamily named for a near C-terminal HXHXHXX motif (H:Histidine, X:a hydrophobic amino acid) positioned at the α -phosphate of nucleotide substrates. This protein hydrolyzes adenosine 5'-monophosphoramidate substrates such as AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester and AMP-NH₂. Although it was originally thought 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. Recombinant human HINT1 protein was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight: 13.8 kDa (126aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MADEIAKAQV ARPGGDTIFG KIIIRKEIPAK IIFEDDRCLA FHDISPQAPT HFLVIPKKHI SQISVAEDDD ESSLGHLMIIV GKKAADLGL
NKGYRMVVNE GSDGGQSVYH VHLHVLGGRQ MHWPPG

General references:

Zhang YJ., *et al.* (2009), *Cancer Lett.* 275(2):277-84.

Pawel Bieganski., *et al.* (2002). *J Biol Chem.* 277(13):10852-10860.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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