

Datasheet for ABIN935039
HINT1 Protein (AA 1-126)



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1 Image

Overview

Quantity:	100 µg
Target:	HINT1
Protein Characteristics:	AA 1-126
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MADEIAKAQV ARPGGDTIFG KIIIRKEIPAK IIFEDDRCLA FHDISPQAPT HFLVIPKKHI SQISVAEDDD ESLLGHLMIV GKKCAADLGL NKGYRMVVNE GSDGGQSVYH VHLHVLGGRQ MHWPPG
Characteristics:	Purified recombinant Human HINT1 protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 90 % pure

Target Details

Target:	HINT1
Alternative Name:	HINT1 (HINT1 Products)
Background:	HINT1, also known as Histidine triad nucleotide-binding protein 1, is a member of a superfamily named for a near C-terminal HXHXHXX motif (H:Histidine, X:a hydrophobic amino acid)

Target Details

positioned at the alpha-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.

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

Molecular Weight: 13.8 kDa (126 AA)

Application Details

Application Notes: HINT1 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

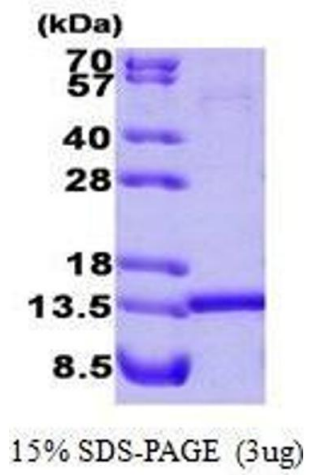
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 10 % glycerol.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.