

HINT1, 1-126 aa, Human, Recombinant, E.coli

Cat.NO.: TP02452

3th Edition

Synonyms:Histidine triad nucleotide-binding protein 1, 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 γ -phosphate of nucleotide substrates. This protein hydrolyzes adenosine 5'-monophosphoramidate substrates such as AMPmorpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester and AMP-NH₂.

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

Molecular Weight:13.8 kDa (126aa)

Sequences:

MADEIAKAQVARPGGDTIFGKIIRKEIPAKIIFEDDRCLAFHDISPQAPTHFLVIPKKHISQISVAEDDDDESLLGHLMIVG
KKCAADLGLNKGYRMVVNEGSDGGQSVYHVHLHVLGGRQMHWPPG

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.