

Product datasheet for PH303319

HINT1 (NM_005340) Human Mass Spec Standard

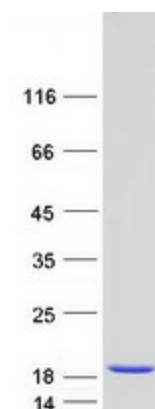
Product data:

Product Type:	Mass Spec Standards
Description:	HINT1 MS Standard C13 and N15-labeled recombinant protein (NP_005331)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203319
Predicted MW:	13.8 kDa
Protein Sequence:	>RC203319 protein sequence Red=Cloning site Green=Tags(s) MADEIAKAQVARPGDITFGKIIIRKEIPAKIIFEDDRCLAFHDISPQAPTHFLVIPKKHISQISVAEDDD ESLLGHLMIYVGKKCAADLGLNKGVMVNEGSDGGQSVYHVHLHVLGGRQMHWPPG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005331
RefSeq Size:	689
RefSeq ORF:	378
Synonyms:	HINT; NMAN; PKCI-1; PRKCNH1
Locus ID:	3094
UniProt ID:	P49773 , A0A384NPU2
Cytogenetics:	5q23.3


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Summary:

This gene encodes a protein that hydrolyzes purine nucleotide phosphoramidates substrates, including AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester, and AMP-NH₂. The encoded protein interacts with these substrates via a histidine triad motif. This gene is considered a tumor suppressor gene. In addition, mutations in this gene can cause autosomal recessive neuromyotonia and axonal neuropathy. There are several related pseudogenes on chromosome 7. Several transcript variants have been observed. [provided by RefSeq, Dec 2015]

Product images:


Coomassie blue staining of purified HINT1 protein (Cat# [TP303319]). The protein was produced from HEK293T cells transfected with HINT1 cDNA clone (Cat# [RC203319]) using MegaTran 2.0 (Cat# [TT210002]).