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Product datasheet for PH305697

NTAN1 (NM_173474) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NTAN1 MS Standard C13 and N15-labeled recombinant protein (NP_775745)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205697
Predicted MW:	34.7 kDa
Protein Sequence:	>RC205697 protein sequence Red=Cloning site Green=Tags(s) MPLLVEGRRVRLPQSAGDLVRAHPPLEERARLLRGQSVQQVGPQGLLYVQQRELAVTSPKDGSISILGSD DATTCHIVVLRHTGNGATCLTHCDGTDTKAEVPLIMNSIKSFSDHAQCGRLEVHLVGGFSDDRQLSQKLT HQLLSEFDRQEDDIHLVTLCVTELNDREENENHFPVIYGIAVNIKTAEIYRASFQDRGPEEQLRAARTLA GGPMISIYDAETEQLRIGPYSWTPFPHVDFWLHQDDKQILENLSTSPLAEPPHFVEHIRSTLMFLKKHPS PAHTLFSGNKALLYKKNEDGLWEKISSPGS 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_775745
RefSeq Size:	1241
RefSeq ORF:	930
Synonyms:	PNAA; PNAD
Locus ID:	123803

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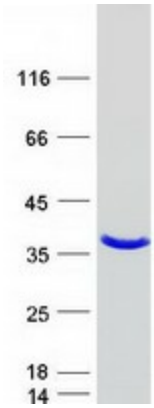
UniProt ID: Q96AB6

Cytogenetics: 16p13.11

Summary: The protein encoded by this gene functions in a step-wise process of protein degradation through the N-end rule pathway. This protein acts as a tertiary destabilizing enzyme that deamidates N-terminal L-Asn residues on proteins to produce N-terminal L-Asp. L-Asp substrates are subsequently conjugated to L-Arg, which is recognized by specific E3 ubiquitin ligases and targeted to the proteasome. Pseudogenes of this gene are located on the long arms of chromosomes 8, 10 and 12. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]

Product images:



Coomassie blue staining of purified NTAN1 protein (Cat# [TP305697]). The protein was produced from HEK293T cells transfected with NTAN1 cDNA clone (Cat# [RC205697]) using MegaTran 2.0 (Cat# [TT210002]).