

## Product datasheet for TP305697M

### NTAN1 (NM\_173474) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human N-terminal asparagine amidase (NTAN1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205697 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MPLLVEGRRVRLPQSAGDLVRAHPPLEERARLLRGQSVQVGPQGLLYVQQRELAVTSPKDGSIILGSD DATTCHIVLRHTGNGATCLTHCDGTDTKAEVPLIMNSIKSFSDDHAQCGRLEVHLVGGFSDDRQLSQKLT HQLLSEFDRQEDDIHLVTLCTELNDREENENHFPVIYGIIVNIKTAEIYRASQDRGPPEQLRAARTLA GGPMISYDAETEQLRIGPYSWTPFPVDFWLHQDDKQILENLSTPLAEPHFVEHIRSTLMFLKKHPS PAHTLFSGNKALLYKKNEDGLWEKISSPGS  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	34.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_775745</a></u>
Locus ID:	123803


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UniProt ID: Q96AB6

RefSeq Size: 1241

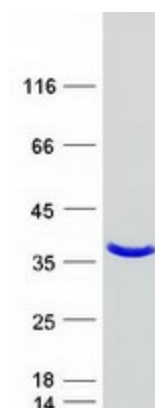
Cytogenetics: 16p13.11

RefSeq ORF: 930

Synonyms: PNAA; PNAD

**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]).