

## Product datasheet for TP301055

### NTAQ1 (NM\_018024) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human WDYHV motif containing 1 (WDYHV1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201055 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MEGNPAAVHYQPASPPRDACVYSSCYCEENVWKLCEYIKNHDQYPLEECYAVFISNERKMIPIWKQQR PGDGPVIWDYHVLLHVSSGGQSFYDLDTVLPFPCLFDTYVEDAIKSDDDIHPQFRRKFRVICADSYLK NFASDRSHMKDSSGNWREPPPPYPCJETGDSKMNLNDFISMDPKVGVGAVYTLSEFTHRFGSKNC
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	23.5 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:	<a href="#">NP_060494</a>
Locus ID:	55093
UniProt ID:	<a href="#">Q96HA8</a>
RefSeq Size:	1568



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Cytogenetics: 8q24.13

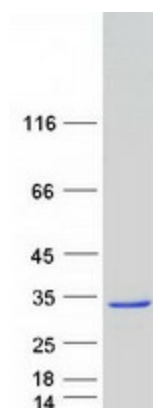
RefSeq ORF: 615

Synonyms: C8orf32; WDYHV1

**Summary:** Mediates the side-chain deamidation of N-terminal glutamine residues to glutamate, an important step in N-end rule pathway of protein degradation. Conversion of the resulting N-terminal glutamine to glutamate renders the protein susceptible to arginylation, polyubiquitination and degradation as specified by the N-end rule. Does not act on substrates with internal or C-terminal glutamine and does not act on non-glutamine residues in any position. Does not deaminate acetylated N-terminal glutamine. With the exception of proline, all tested second-position residues on substrate peptides do not greatly influence the activity. In contrast, a proline at position 2, virtually abolishes deamidation of N-terminal glutamine. [UniProtKB/Swiss-Prot Function]

**Protein Families:** Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified WDYHV1 protein (Cat# TP301055). The protein was produced from HEK293T cells transfected with WDYHV1 cDNA clone (Cat# [RC201055]) using MegaTran 2.0 (Cat# [TT210002]).