

Product datasheet for PH301055

NTAQ1 (NM_018024) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	WDYHV1 MS Standard C13 and N15-labeled recombinant protein (NP_060494)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201055
Predicted MW:	23.6 kDa
Protein Sequence:	>RC201055 protein sequence Red=Cloning site Green=Tags(s) MEGNPAAVHYQPASPPRDACVYSSCYCEENVWKLCEYIKNHDQYPLEECYAVFISNERKMIPIWKQQR PGDGPVIWDYHVLLHVSSGGQSFYDLDTVLPFPCLFDYVEDAIKSDDDIHPQFRRKFRVICADSYLK NFASDRSHMKDSSGNWREPPPPYPCIETGDSKMNLNDFISMDPKVWGAVYTLSEFTHRFGSKNC TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_060494
RefSeq Size:	1568
RefSeq ORF:	615
Synonyms:	C8orf32; WDYHV1
Locus ID:	55093
UniProt ID:	Q96HA8



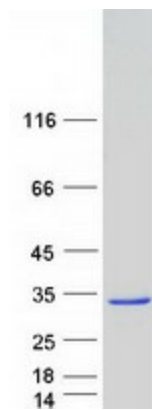
[View online »](#)

Cytogenetics: 8q24.13

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]).