

Product datasheet for **SC333847**

NTAQ1 (NM_001283027) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NTAQ1 (NM_001283027) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTAQ1
Synonyms:	C8orf32; WDYHV1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333847 representing NM_001283027. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATGCAAAATGACTTCTGAATGCGCACGATTACCATGTTGTTTTGCTTCATGTTTCAAGTGGAGGA
CAGAACTTCATTTATGATCTCGATACTGTCTTGCCATTTCCCTGCCTCTTTGACACTTATGTAGAAGAT
GCCTTTAAGTCTGATGATGACATTCACCCACAGTTTAGGAGGAAATTTAGAGTGATCCGTGCAGATTCA
TATTTGAAGAACTTTGCTTCTGACCGATCTCACATGAAAGACTCCAGTGGGAATTGGAGAGAGCCTCCG
CCGCCATATCCCTGCATTGAGACTGGAGATTCCAAAATGAACCTGAACGATTTTCATCAGTATGGATCCC
AAGGTAGGATGGGGCCCGTCTACACACTATCCGAATTTACACATCGGTTTGGCAGTAAAACTGCTGA

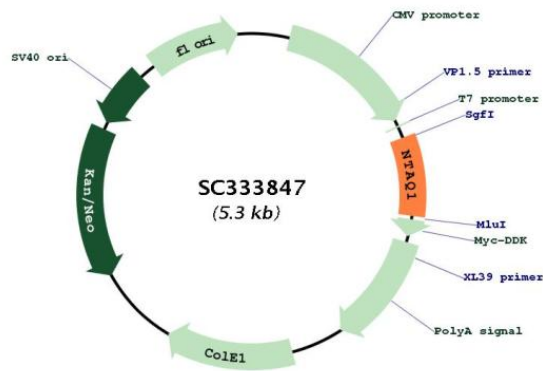
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001283027

Insert Size: 414 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001283027.1](#)

RefSeq Size:	1593 bp
RefSeq ORF:	414 bp
Locus ID:	55093
Cytogenetics:	8q24.13
Protein Families:	Stem cell - Pluripotency
MW:	15.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR and has an alternate internal exon compared to variant 1. These differences cause translation initiation at a alternate start codon compared to variant 1. The encoded isoform (3) is shorter and has a distinct N-terminus compared to isoform 1.</p>