

Product datasheet for SC319519

NTAN1 (NM_173474) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NTAN1 (NM_173474) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTAN1
Synonyms:	PNAA; PNAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_173474.2</p> <pre> CCGCGATGCCGCTGCTCGTAGGGGCGCGAGTGCGGCTGCCGAGTCAGCCGGGGACC TCGTCCGAGCCCAACCGCCTTTGGAGAAAGAGCCAGACTTCTCAGAGGTCACTGTTC AACAAAGTGGGACCCAGGCCTTCTGTATGTTTCAGCAAAGAGAGCTTGCAGTGACCTCCC CAAAGGATGGCTCCATCTCCATTCTGGGTTCTGATGATGCCACTACTTGTACATTGTGG TCCTGAGGCACACAGGTAATGGGGCCACCTGCTTGACACATTGTGACGGAACCGACACCA AAGCTGAGGTCCCCTTGATCATGAACCTCCATAAAATCCTTTCTGACCACGCTCAATGTG GAAGGCTGGAAGTACACCTTGTGGAGGCTTCAGTGACGACAGGCAGTTGTCACAAAAAC TCACTCATCAACTTCTTAGTGAATTTGACAGGCAAGAAGATGACATTCACCTTAGTGACAT TATGTGTGACAGAATTAATGACCGGGAAGAAAACGAAAACCACTTTCCAGTAATATATG GCATTGCTGTCAACATTAAGACTGCAGAGATTTACAGAGCATCCTTTCAAGATCGGGGTC CGGAGGAGCAGCTTCGTGCTGCGGAACTTTAGCAGGAGGACCAATGATTAGCATTATG ATGCAGAGACAGAACAATTCGTATAGGACCGTACTCCTGGACACCAATTTCCACATGTGG ATTTCTGGTTGCACCAAGATGACAAGCAAATACTAGAGAATCTTTCCACTTCGCCTCTGG CTGAGCCACCCCACTTTGTTGAACATATTAGATCTACCTTGATGTTTTAAAAAACACC CATCTCCAGCTCACACACTGTTTTCTGGAATAAAGCCCTACTCTACAAAAAAATGAAG ATGGCTTGTGGGAAAAGATCTCTCTCCAGGAAGTTAAAAACATGAATTACCAAAGAAA GCACCTTCTTGGCCTGACAGACCATTGGTGGGGCTGGCACGAATCCAGATCTGGATCCTA CATCTGTTGGGTCTTAGGCCTCCTTCCCTCCTCAGTGTCTTTCAAATGACTTTCATCAA TGACTTTCAAAATAAACCTTATTTTGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_173474


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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_173474.2</u> , <u>NP_775745.1</u>
RefSeq Size:	1137 bp
RefSeq ORF:	933 bp
Locus ID:	123803
UniProt ID:	<u>Q96AB6</u>
Cytogenetics:	16p13.11
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>