

Product datasheet for **SC315444**

NET1 (NM_001047160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NET1 (NM_001047160) Human Untagged Clone
Tag:	Tag Free
Symbol:	NET1
Synonyms:	ARHGFE8; NET1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

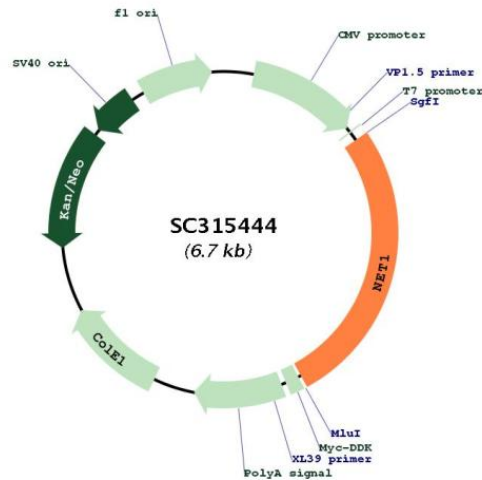


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Fully Sequenced ORF: >SC315444 representing NM_001047160.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCCCGAGCTGGCGGCTCAGAAGCAGCCTCGACCGGAGGCGAAGCCGCCGGCCTCTGGGCTC
AGCACGGAGGGAGCGACGGGGCCTTCGGCCGACACCTCCGGGTCGGAGCTGGACGGGAGATGTTCCCTT
CGGAGAGGCAGCTCCTTACATTCTTAACACCTGGCCCAACTGGGACTTCACTTTGAAAAGAAAACGC
AGAGAGAAAGATGATGATGTTGTAAACCTTAGCAGCCTTGATCTGAAGGAGCCAAGCAATAAAGAGTT
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CCCGCATCCGAAGAGCGAGGGACAAGCCCTTCTGGTGGCAAACGGAAGAGACTTTGGTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001047160

Insert Size: 1791 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).

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:

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_001047160.2](#)

RefSeq Size: 3995 bp

RefSeq ORF: 1791 bp

Locus ID: 10276

UniProt ID: [Q7Z628](#)

Cytogenetics: 10p15.1

Protein Families: Druggable Genome

MW: 67.7 kDa

Gene Summary: This gene is part of the family of Rho guanine nucleotide exchange factors. Members of this family activate Rho proteins by catalyzing the exchange of GDP for GTP. The protein encoded by this gene interacts with RhoA within the cell nucleus and may play a role in repairing DNA damage after ionizing radiation. Pseudogenes of this gene are located on the long arms of chromosomes 1, 7 and 18. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.