

Product datasheet for **MC217799**

Net1 (NM_001047159) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Net1 (NM_001047159) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Net1
Synonyms:	mNET1; Net1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217799 representing NM_001047159
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGCGCATGATGAGATCGGAGGTCTCTGCCATTAAAAGGACGATCCGAGTCTTAGATGTTAATA
 ACCAGCCCTTCGGGAGCAGGAGGAGCCAAGCAATAAGAGAGTTCGGCCTCTAGCTCGGGTCACATCTTT
 GGCAAATTAATCTCTCCGTAAGAAATGGAGCAGTCAGGCGCTTCGGTCAGACCATACAGTCGTTTACC
 TTCGTGGTGACCACAGATCCCCAGCCTCTGCCAGAAGTCATTAGCAGGTCCACCGTCCCCACACCCA
 CCAAGAGAAGAAGCAGTGCCTATGGTCGGAATGCTAGACATCAATATGAAGGAGTCTTGACCACTCG
 AGAGATCAAACGTCAGGAGGCCATATGAATTGTCGGAGGGAAACAGGACTTGATTGAGGATCTCAAG
 CTCGCTAGAAAGGCTACCATGACCCATGTTAAAGCTGTCTATCATGTCAGAAGAGGAAGTCCACGACA
 TATTTGGAGACTGGATGCTTATACCTCTGCACGAAGTCTGTTAGCAAGAATTGGAGAAGCAACCAA
 GCCTGATGGGACTGTGGAGCAGATCGGTACATCTCTGTAAGTGTGTTACAGGCCTGAATGCCTACAGA
 GGCTACTGCAGTAACAGCTGGCGGCCAAGGCTCTTCTGGATCAGAAGAAACAAGACCCAAGAGTCCAAG
 ACTTCTCCAGCGCTGTCTGGAGTCTCTTTCAGTCGAAAAGTATAGTCTTTGGAGTTTCTAGATATCCC
 TCGAAGTCGCCTCGTCAAGTACCCCTACTGTTAAAAGAAATCCTTAGACACACTCCCAAAGACCACCGT
 GATGTTACAGTCTTAGAAGAGGCAATATTGATAATACAAGGAGTCTTTCTGATATCAACTTGAAGAAAG
 GCGAATCTGAGTGCAGTATTACATCAACAAGCTGGAGTACCTGGACGAGAAGCAGAAGGACCCTAGGAT
 CGAAGCGAGCAAAGTGTCTGTGCCATGGGGAGCTGAAGAATAAAAGCGGCCATAAACTGTACATTTTC
 CTATTTCAAGACATCTTGGTTTTGACTCGGCCTGTACCCGAAATGAGCGCCACTTGTACCAGGTTTACC
 GGCAGCCCATCCAGTCCAGGAGCTGGTGTGGAAGACCTGCAGGACGGGGATGTGCGCATGGGTGGCTC
 TTCCGAGGGGCCCTTCGGCAACTCAGACAAAGCTAAAAATATCTTTAGGGTCCGCTTCCAAGACCTTCT
 CCAGGCCACTCCACACACTGCAAGCCAATGATGTGTTCCATAAGCAGCAGTGGTTCAACTGTATTTCGCG
 CGGCCATTGCCCTTCCAGCGGGCCGCCAGCCCTTAGAGCTTCAGGGCTTCCAGACCTCCACGAAGA
 GTGTGAAGAGAACAACCTTCTGCTGGGAACCTCAGAGCCAGCGACGGTTCATGCGTGGTTCTGGTGTG
 ATGCAGATAGACGAGGAAAGCGCCCTGGATTGTGGCTCCAGTGTACAGACAGTGGAAAGACACCAGGAACA
 TGAAGGCACAGCGCCTCAGCCTGGCTTACGAAGAGCAAGGGACAAGACAGTCCAGGTGGCAAAAAGAA
 AGAGACTTTGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001047159

Insert Size: 1626 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_001047159.2](#), [NP_001040624.1](#)

RefSeq Size: 3874 bp

RefSeq ORF: 1626 bp

Locus ID: 56349

UniProt ID: [Q9Z206](#)

Cytogenetics: 13 A1

Gene Summary: Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPase. May be involved in activation of the SAPK/JNK pathway. Stimulates genotoxic stress-induced RHOB activity in breast cancer cells leading to their cell death.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks part of the 5' coding region, uses an alternate 5'-terminal exon, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.