

Product datasheet for **MC219526**

Net1 (NM_019671) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Net1 (NM_019671) 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: >MC219526 representing NM_019671
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCAGAGCCGGCTCAGAAGCAGCCCGACCTCGGAGGAGAAGCCGAGGGTCTCAATGCTCA
 GCGAGGAACCTGCCGCGGGCTTCGGCCGACACACCCGGCCGCGCGCAACGAGAGATGCTCCCTTCG
 GAGAGGCAGCTCCTTCACATTTTAAACCCTGGCCACACTGGGACTTCACTTTGAAAAGAAAACGAAGA
 GAGAAAGATGATGATGCTGAAGCCTTAGCAGCCTTGATTTGAAGGAGCCAAGCAATAAGAGAGTTCGGC
 CTCTAGCTCGGGTCACATCTTTGGCAAACCTAATCTCTCCCGTAAGAAATGGAGCAGTCAGGCGCTTCGG
 TCAGACCATACAGTCGTTTACCCTTCGTGGTGACCACAGATCCCCAGCCTCTGCCAGAAGTCATTACAGC
 AGGTCCACCGTCCCACACCCACCAAGAGAAGAAGCAGTGCATATGGTCGGAAATGCTAGACATCAATA
 TGAAGGAGTCCTTGACCACTCGAGAGATCAAACGTCAGGAGGCCATATATGAATTGTCGAGGGGAACA
 GGACTTGATTGAGGATCTCAAGCTCGCTAGAAAGGCCATCATGACCCCATGTTAAAGCTGTCTATCATG
 TCAGAAGAGGAACTCACGCACATATTTGGAGACTTGGATGCTTATATACCTCTGCACGAAGATCTGTAG
 CAAGAATTGGAGAAGCAACCAAGCCTGATGGGACTGTGGAGCAGATCGGTACATTCTCGTGAAGTGGTT
 ACCAGGCCTGAATGCCTACAGAGGCTACTGCAGTAACCAGCTGGCGGCCAAGGCTCTTCTGGATCAGAAG
 AAACAAGACCCAAGAGTCCAAGACTTCTCCAGCGCTGTCTGGAGTCTCCTTTCAGTCGAAAACCTAGATC
 TTTGGAGTTTCTAGATATCCCTCGAAGTCGCCTCGTCAAGTACCCTTACTGTTAAAAGAAATCCTTAG
 ACACACTCCCAAAGACCACCGTATGTTTCAGCTTCTAGAAGAGGCAATATTGATAATAACAAGGAGTTCTT
 TCTGATATCAACTGAAGAAAGGCGAATCTGAGTGTGAGTATTACATCAACAAGCTGGAGTACCTGGACG
 AGAAGCAGAAGGACCCTAGGATCGAAGCGAGCAAAGTGTGCTGTCATGGGAGCTGAAGAATAAAAG
 CGGCCATAAACTGTACATTTTCCCTATTTCAAGACATCTTGGTTTTGACTCGGCCTGTACCCGAAATGAG
 CGCCACTTGTACCAGTTTACCGCAGCCCATCCAGTCCAGGAGCTGGTGTGGAAGACCTGCAGGACG
 GGGATGTGCGCATGGGTGGCTCCTTCCGAGGGCCCTTCGGCAACTCAGACAAAGCTAAAAATATCTTTAG
 GGTCCGCTTCCAAGACCTTCTCCAGGCCACTCCACACACTGCAAGCCAATGATGTGTTCCATAAGCAG
 CAGTGGTTCAACTGTATTCGCGCGGCCATTGCCCTTCCAGCGGGCCGCGCAGCCCTTAGAGCTTCAGG
 GCTTGCCAGACCTCCACGAAGAGTGTGAAGAGAACAACCTTCTGCTGGGAACCTCAGAGCCAGCGACG
 GTCATGCGTGGTTCCTGGTGTGATGAGATAGACGAGGAAAGCGCCCTGGATTGTGGCTCCAGTGTACAG
 ACAGTGAAGACACCAGGAACATGAAGGCACAGCGGCCTCAGCCTGGCTTACGAAGCAAGGGACAAG
 CACAGTCAGGTGGCAAAAAGAAAGAGACTTTGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019671
- Insert Size:** 1788 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_019671.3](#), [NP_062645.2](#)

RefSeq Size: 3995 bp

RefSeq ORF: 1788 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 (1) represents the longer transcript and encodes the longer isoform (1).