

Product datasheet for **RN203702**

Nsf (NM_021748) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsf (NM_021748) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nsf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203702 representing NM_021748
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCCGACTATGCAAGCTGCGAGATGCCCTACTGATGAATTGTCTCTAAGCAACTGTGCAGTTG
 TGAACGAAAAGGATTACCACTCTGGCCAGCATGTGATGGTGAGGACGTCCCCAACCACAAGTACATATT
 TACGCTGCGGACCCATCCGTCCGTGGTCCCGGATGCATCGCGTTCAGCTTACCCAGCGAAAATGGGCT
 GGACTTCTATTGGGCAGGACATAGAAGTCGCCTTGATTCTGTTGACAAAGCCAAGCAGTGCATCGGCA
 CAATGACCATCGAGATCGACTTCTGCAGAAAAAAGAACATCGACTCCAACCCTTACGACACCGACAAGAT
 GGCTGCCGAGTTCATCCAGCAGTTCAACCACCAGGCCCTTCTCAGTGGGACAGCAGCTTGTCTTTAGCTTC
 AATGATAAGCTCTTTGGATTGCTGGTGAAGGACATCGAAGCCATGGATCCCAGCATCCTGAAGGGAGAGC
 CTGCGTCAGGTAAGGCGAGAAGATTGAAGTAGGACTGGTGGTGGAAACAGTCAAGTTGCATTTGAAAA
 AGCAGAAAACATCACTCAATCTTATTGGCAAGGCTAAAACCAAGGAAAATCGCCAGTCTATCATCAAT
 CCCGACTGGAACCTTTGAGAAAATGGGGATCGGGCGTCTGGATAAAGGAGTTTTTCAGATATTTCCGACGAG
 CATTGCTTCTCGGGTGTCCCTCCGGAGATCGTGAACAAATGGGTTGCAAACATGTTAAAGGCATCCT
 GTTATACGGACCCCTGGTTGTGGTAAGACTCTTTGGCTCGACAGATTGGCAAGATGCTGAATGCAAGA
 GAGCCCAAGGTGGTCAATGGGCCGAAATCCTTAACAAATATGTGGGAGAATCAGAGGCCAACATCCGCA
 AGCTCTTTGCTGATGCAGAAGAGGAGCAGAGACGGCTCGGTGCCAACAGCGGCCTGCACATCATCTT
 TGATGAAATCGACGCCATCTGCAAGCAGAGAGGGAGCATGGCCGGCAGCACCGGGGTGCACGACTGTG
 GTCAACCAGCTGCTGTCCAAGATCGATGGCGTCGAGCAGCTGAACAACATCCTCGTTATTGGAATGACCA
 ATCCAGCAGATTTGATTGATGAGGCTCTCCTTCGACCTGGAAGACTGGAAGTTAAGATGGAGATAGGCTT
 ACCAGATGAGAAGGGCCGACTGCAGATCCTTCCACATCCACACAGCAAGGATGCGAGGGCACCAGTACTG
 TCTGCGGATGTGGACATCAAGGAACTGGCTGTGGAGACTAAGAATTTTCAGTGGCGCCGAGCTGGAGGGCC
 TGGTGCAGCAGCGCAGTCCACAGCCATGAACAGACACATAAAGGCCAGCACAAAAGTGAAGTAGACAT
 GGAGAAGGCAGAGAGCCTGCAGGTGACAAGAGGGGACTTCTCGCTTCCCTGGAGAATGATATCAAACCG
 GCATTCGGCACAAACCAAGAGGACTATGCAAGTTACATTATGAATGGAATCATCAAGTGGGGTGACCCCG
 TGACCCGAGTCTCGACGACGGAGAGCTGCTGGTCCAGCAGACTAAAAACAGTACCACACACCGCTGGT
 TAGCGTCTTCTGGAAGGCCCTCCTCACAGCGGAAGACTGCCCTCGCTGCAAAGATTGCCGAGGAATCA
 AACTTCCCCTTCAAGATCTGCTCCCCGATAAGATGATTGGGTTCTCTGAGACAGCCAAGTGTGAGG
 CCATGAAGAAGATCTTTGATGATGCTTACAATCTCAGCTCAGTTGTGTGGTCTGGATGACATTGAGAG
 GTTGCTCGATTACGTCCCATCGGCCCCCGTTCTCCAACCTGGTGTACAAGCTCTGCTCGTGTACTG
 AAAAAGGCACCTCCTCAGGGCCGCAAGCTTCTCATCATCGGGACCACCAGCCGAAAAGTGTCTGCAGG
 AAATGGAGATGCTCAACGCCCTTACGACCACCATCCACGTGCCAACATCGCCACAGGAGAGCAGCTGCT
 GGAAGCTCTGGAGCTTTTGGCAACTTCAAAGATAAGGAACGCACCACAATTGCTCAGCAAGTCAAAGGG
 AAGAAAGTCTGGATAGGAATCAAGAAAGTACTAATGTTGATTGAGATGTCCTGCAGATGGACCCTGAGT
 ACCGTGTGAGGAAATCTTGGCCCTCATGAGAGAAGAAGGCGCTAGTCCCCTGGACTTTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021748

Insert Size: 2235 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:	<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_021748.1</u> , <u>NP_068516.1</u>
RefSeq Size:	2764 bp
RefSeq ORF:	2235 bp
Locus ID:	60355
UniProt ID:	<u>Q9QUL6</u>
Cytogenetics:	10q32.1
Gene Summary:	binds AMPA receptor GluR2 subunit and acts to disrupt GluR2-PICK1 interactions; may play a role in AMPA receptor trafficking and stabilization [RGD, Feb 2006]