

Product datasheet for MR218398

Noxred1 (NM_027744) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Noxred1 (NM_027744) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Noxred1
Synonyms:	4933437F05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218398 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAAATGCTAGAAGACCTTGAGTCTCTGAGGTTTGAGTTTGGGATTCCAGAGGAAGAACGTTACTGGC
 TGTACTTACAGGGCCGTTATCGGGGATTGATGATCAAGGGCTGTGCCATGCAGCCTTCTCTGCAAAAT
 GTTCTCTACTTTGAGCAACTTATTGCAGAATCTGCCACGCACAATACATCCCCGACTGTGTCATTTGAT
 AACGCCGCTACTGAGGATGAACGCTAACCCTGGGCATCATTGGGTGTGGCCACCTTGAAAGCAGCTGA
 CTAATGTATTGCTGAAAACCGTCCCTATCCCTGCCGAGAACCTGCAGATCTCCACTAGGAGGCCAGAGTC
 CCTGGGTGAGTTACGGAACTAGGGGTCCGGTGCCTCTATGACAACGCTGCTGTGGCGAGCTGGGCCAAA
 GTGTTGTTCTCTGCTGTCTGCCTGCCAGCTGCCTAATATCTGCCTAGAAATCAATCCAACTCAACA
 AGCACTGCACCGTGTACAGCTTTGTATCCGCCATTCCGCTACCCAGGTTGAAAAGTTTACTGAACCACAC
 CAATATCCTGAGGCCCCAGTACCAATTTGCTGAGGATTATGACAACATCTGGGGAGAGAATGAGGAGGTC
 CCAATTGCTCTCAAGATACAACGATTATCCGGGTACCTGCCCTACAATAATCTTGGGGGAGTAATCC
 TTAATGTCAAGTGGATAGAGGGGCTGTGCTATGCCCTCATCAATGCCTGTACGTCAAGGAGCGTGTTC
 CTCACAGGTGCTGAAGCTTCTAAACAACTGCTTCTCCCTATGCACCTAGAAAGCTGCACGACAGACCCA
 GAATCCTGCCCCAGTTTAATTTAACAGATTTTCATGAGCAAAAGCTACGTCAAAACTTGTATCAAAAAA
 GGCTTTTCCCTGGTTTGATCTGACTACTGTGCAACTCAAGGAACTCCTTTTAGCCAGCACATCTCAGC
 CACTCCTTCTCTCAGGACCACATTAGTCTTTTGTACTGTGAAGTATTTGGCCTACCATAAGCGAAGAA
 GAATTGCCTTATATTTCCACAGTTATCCGGCCCTAGTAGAGGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >MR218398 protein sequence
Red=Cloning site Green=Tags(s)

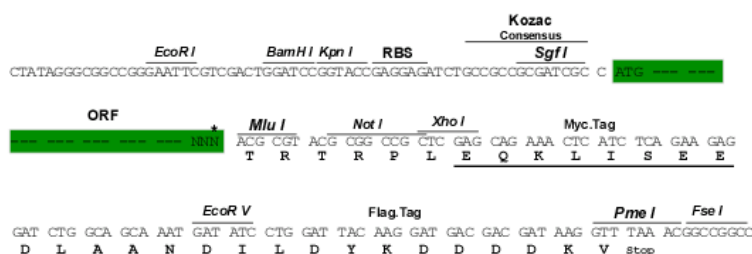
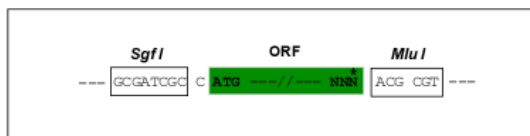
MEMLEDLESRLFEGPIEEERYWL YLQGRYRGLMIKGAHAFFCKMFSTLSNLLQNLPRTIHPRTVSFD
NAATEDELLTVGIIGCGHLGKQLTNVLLKTPPIPAENLQISTRPESLGELRKLGVRCVYDNAAVASWAK
VLFCLCPAQLPNICLEIQSKLNKHCTVYSFVSATPLPRKSLLNHTNILRPQYQFAEDYDNIWGENEEV
PIALQDTTIIRGTCPPYNNLGGVILNVKWIEGLCYALINACTSRSVFHSQVLKLLNKL LPMHLESCCTDP
ESCPQNL TDFMSKSYKNL YQKRFPWF DL TTVQLKETPFSQHI SATPSLQDHI SLL YCEVFG L TISEE
ELPYISTVIRPLVEEK

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 027744

ORF Size: 1098 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_027744.1, NP_082020.1

RefSeq Size: 1412 bp

RefSeq ORF: 1101 bp

Locus ID: 71275

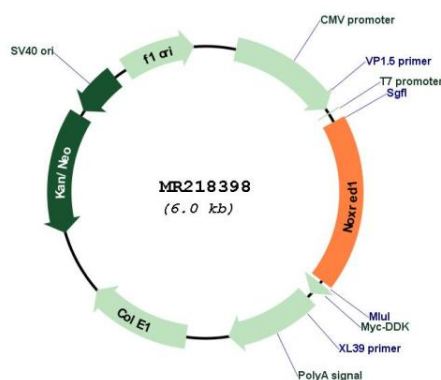
UniProt ID: Q9D3S5

Cytogenetics: 12 D2

MW: 41.7 kDa

Gene Summary: Probable oxidoreductase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218398