

Product datasheet for **MR219034**

Pyroxd2 (NM_029011) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pyroxd2 (NM_029011) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pyroxd2
Synonyms:	3830409H07Rik; 4833409A17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR219034 representing NM_029011
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCCGGCGGCCGAGGTCTCATCAGGGCCTTGCACTCCTCTCCCTGCCCTACTTGAAACGAGCTC
 AGTCGGGAGCCAACGGGCGCCTGAAGCCGAGTACGATGCCGTGGTGATAGGAGCAGGACACAATGGGCT
 GGTGGCTGCAGCGTACCTCCAGAGACTGGGGTGAACACCGCGGTCTTCGAGAGCGCCATGTGATTGGG
 GGCGCAGCTGTACGGAGGAGATCATTCTGGGTTCAAGTTCTCCCGAGCATCTATCTCTGAGCCTAC
 TGAGGCCACAGATTTGCACAGACCTGGAGCTGAAGAAACACGGGCTGAACTTCTCTGAGAGACCCCTA
 CTCCTTACCCCCATGCTGAAGAGGGCACACTGAACAGGCTGCCAGGTCCTTCTGCTGGGCACAGAT
 ATGGCTGCAAACAGAAGGAAATCTCTCAGTTCTCACGAAGGATGCTCAGGCTTCCCCAGATACGAGG
 AGTTCATGAAACGCTTGGTGCTAGCCATTGACCCCTACTGGATGCAGCTCCAGTGGACACAACAGCCTT
 TCAGCATGGCTCTCTGTTGCAGAGGCTCAGGGCACTGTCCACCCTGAAGCCCTGCTGAAAGCAGGGCGC
 ACCCTGGGAGCCAGCTTCCCCAATATTATGAGGTCTCACAGCCCCATTTCCAAGGTGCTGGACCAAC
 GGTTTGAGTCTGAGCCTCTGAAGCAACTCTGGCAACAGATGCTGTGATTGGAGCAATGACGAGTCCCCA
 CACTCCGGGGAGTGGGTATGTGCTGCTGCATCACGTGATGGGTAGCCTGGAGGGGACGAGGGCGCCTGG
 AGCTACGTCCAGGGTGGCATGGGCGCCCTCTCTGATGCCATCGCGAGCTCGGCTGCTACAGTGGAGCAA
 GCATCTTCACAGAAAAGACTGTGGCTAAGGTTCAAGTGAACAGTGAAGGCCGTGCCAAGGAGTCACACT
 GCAGGACGGCGAGGAGGTGAGAGCAGAGTCGTCTTGTCTGCGCGTACCACAGGTCACCTTCTTAGAG
 CTGACACCACAGGAGTGGCTTCCCGGGCTTTTGTGAAGAGAATCTCCAGCTGGACACCCAGTCTCCTG
 TCACCAAGATCAATGTGGCTGTGGACAGGCTGCCAACTTCCAGGCGGCCCTAATGCTCCCGGGGACCA
 GCCCAAGGTCAACATCAGTGTTCCATCCACTGAAGTGAAGACACCTGCTCCTCCACAGGCCTTT
 GAAGATGCCAAGGTGGCTGCCTTCCCAAAAGCCTATGATTGAAGTCTGCATCCCTTATCGCTGGACC
 CTACCCTGGCTCCACAGGCTGCCATGTTGTCTCCCTCTTCACTCAGTATACACCCTACACCCTGGCAGG
 AGGCAAGGTCTGGAATGAGCAGGAGAAAAACCTATGCGGACAAAGTGTGACTGTATCGAGGCTAT
 GCGCCCGGCTTCAAGAGATCTGTGCTGGCCAGAGATTTCTACCCACCGGATCTAGAGAGAATCTTCA
 GGCTTCTGGAGGAACATATTCACGGTGCCATGTCCCTGGACCAGCTCTACTTGGCCGTCCAGTGCC
 CCAACACTCTGACTACAGATGCCAGTGCAGGGCTGTACCTCTGTGGAGTGGGCCCCATCTGGAGGA
 GCGCTCATGGGAGCGGCTGGACGAATGCGGCCACGTAGTCTTTAGAGACCTCAAGAACATG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219034 representing NM_029011
 Red=Cloning site Green=Tags(s)

MAAGGRGLIRALHSSPCPTWKRAQSGANGRLKPEYDAVVIGAGHNLVAAAYLQRLGVNTAVFERRHVIG
 GAAVTEEIIPGKFSRASYLLSLLRPQICTDLELKKHGLKLHLRDPYSFTPMLEEGTLNRLPRSLLLGTD
 MAANQKEISQFSRKDAQAFPRYEEMKRLVLAIDPLLDAAVPDITAFQHGSLLQRLRALSTLKPLLKAGR
 TLGAQLPQYYEVLTAISKVLDQRFESPLKATLATDAVIGAMTSPHTPGSGYVLLHHVMGSLEGTQGAW
 SYVQGGMGALSDAASSAATRGASIFTEKTVAKVQVNSEGRAQGVTLQDGEEVRSRVVLSASPQVTFLE
 LTPQEWLPGAFVKRISQLDTQSPVTKINVAVDRLPNFQAAPNAPGDQPQHHQCSIHLNCEDTLLLHQAF
 EDAKGGGLPSQKPMIELCIPSSLDPTLAPPGCHVVSFLTQYTPYTLAGGKVWNEQEKNYADKVFDCIEAY
 APGFKRSVLARDILTPDLERIFRLPGGNIFHGAMSLDQLYFARVPQHSYRCPVQGLYLCGSGAHPGG
 GVMGAAGRNAAHVFRDLKNM

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

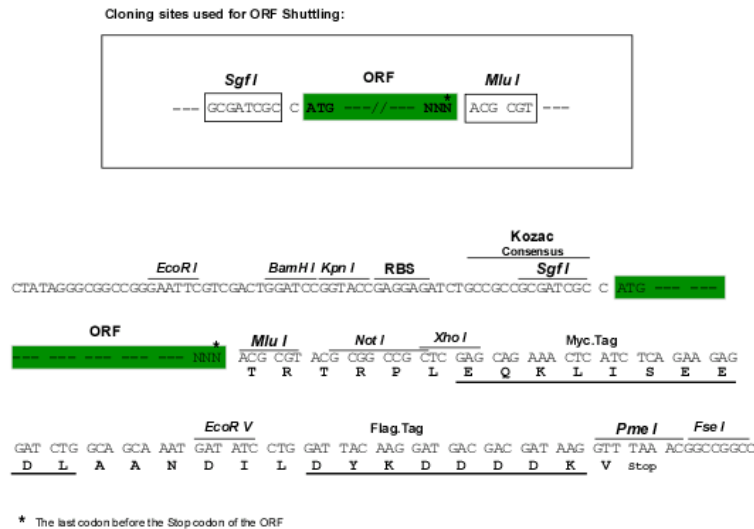
Chromatograms:

https://cdn.origene.com/chromatograms/mm9079_d11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_029011

ORF Size: 1743 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_029011.2](#), [NP_083287.2](#)

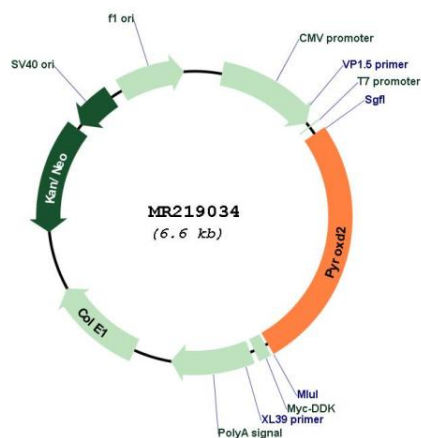
RefSeq Size: 3119 bp

RefSeq ORF: 1746 bp

Locus ID: 74580

UniProt ID: [Q3U4I7](#)
 Cytogenetics: 19 C3
 MW: 62.9 kDa
 Gene Summary: Probable oxidoreductase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219034