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Product datasheet for MC219429

Prox2 (NM_175198) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prox2 (NM_175198) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prox2
Synonyms:	1700058C01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC219429 representing NM_175198
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCCACCTGCTGCTGTCTTGCTTCCTCCTCAGTCTCGGACCTGCACCCACCTGGCAGAAGAAACCT
GCATGGACCAGGAGAGAAGCCCAGCCACCGCAGAGGCAGGCAGAGACTCGTTTCCCAGTGGTCAGCTGCC
CAGCTCCAGCCTCACTGAAGCTGACTGGTTTTGGGACGAGCACATCCAGGCTAAGAGGGCCAGAGTAGAG
ACCATTGTCCGAGGCATGTGTCTCTCTCCTAGCTCGTCGGTGTCAGGCAGAGCCAGGGAGAGCTTGCGCT
GTCCAGAAAAGGGTCGGGAGCGGAAGAGAAAGCAGAGCCTTCCCATGCACCAAGGTCCCCTGAAATCTAG
CCCTGCCTGGGAGCGAGGGCCCAAGAAGGGGGGGACCCGGGTGAAAGAACAGCTTCATCTACTGAAGCAA
CAGCTAAGACATTTGCAGGAGCATGTCCTACAGGCCACAGAGCCCAGAGCACCAGCACAGAGCCCAGGAG
GAACTGAGCCAAGAAGCTCCCCGAGGGCAAGGCCGAGGAACAGCTGCTCATCTGGTGCCTGGACCGTGGA
GAACGAGCCTCACCAGAGTTCTAGCAAGGACCTCTGTGGAGCAGTAAAGCCCGGAGCAGCTGAGGTCCTA
CAGTACTCAGAGGAGCCGATGCTCTGTCCTTCTGGCCCACGGGCCTTGGTGGAGACTCTGAGGAAAGAAC
TGAGCAGGGCCGTGTCCCAAGCTGTGGACTCCGTATTACAGCAAGTGCTATTTGATCCACAGAGACATCT
CACGCAGCAGGAGCGAAGCTGCCAGGGGCTAGCATCAGAGGGCAGAAACCAGCCTTCACCTCCAGGGAGA
AGTGCCTATAAGGACCCACTTGCTCTTGCCACCCTGCCCAGAAAGATCCAGCCACAAGCTGGGGTTCCCT
TGGGCAATTCAACACTGGCAAGGCCTCTAGATTCTCCTATGTGTCCTGTCTCTCCAAGAGGAGTCCCTAG
ATCATATCAGAGTCCCCTACCAAATTGTCCCTTGACAAATGTACCTTCCCACACCTGGGAAAATCAGATG
CTTAGGCAGCTTCTGGGTCGTGGGCCCGATGGCCAATGGAGTGGCAGCCCTCCCCAGGACGCAGCTTTCC
AAAGTCATACCTCCCCAGAGTCTGCCCAGCAACCGTGGGGGCTGAGCCAGCAGCAGCTCCCCCTGTCTCT
CACCCCGGTCCATCTGGAAAGCCGGCCCCTCCCACCGCCTGTGAAGATGGAGCAGGGCGTGCTGCGGGGC
GTGGCTGACTCACTTCCTTTTTCTTCCATCCACATCCAGGAAGGCCTGAGCCCTGGTCACCTGAAGAAGG
CCAAACTAATGTTTTTCTTCACGCGGTACCCCAGCTCCAGCCTCCTGAAAGCTTATTTCCCTGATGTTCA
GTTCAACCGCTGCATCACCTCCCAGATGATCAAGTGGTTCAGCAACTTCCGTGAATTTTATTACATCCAG
ATGGAAAAGTATGCCCGGCAAGCACTTTCAGACGGTATCACGAACGCCCAAGCACTGGCTGTCCTCCGAG
ACTCGGAGCTTTTCCGAGTTCTCAATACACACTATAACAAGGGGAATGACTTTGAGGTCCCAGACTGCTT
CTTGGAGATTGCCGCCCTGACACTGAAGGAGTTCTTCAGGGCTGTCTTGGCAGGGAAAGATTCAGATCCT
TCCTGGAAGAAACCCATTTACAAGGTTATCTCAAAACTCGACAGTGACGTCCCAGAGATGCTCAAATCAC
CCAGCTTCCTCCCGGGACTGTTCCCGAGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_175198

Insert Size: 1782 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_175198.4, NP_780407.1
RefSeq Size:	2682 bp
RefSeq ORF:	1782 bp
Locus ID:	73422
UniProt ID:	Q8BII1
Cytogenetics:	12 D1
Gene Summary:	Transcription regulator. Does not seem to be essential for embryonic development and postnatal survival.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.