

Product datasheet for MR218888

Pxdn (NM_181395) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pxdn (NM_181395) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pxdn
Synonyms:	2310075M15Rik; C85409; E330004E07; mKIAA0230; VPO1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218888 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGTGCGCCCCATGCGCCGCTGCCTGCTGGCGCTCGTGCTGTGCTTTGCCTGGTGGGCCATGGCGG
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CTGCATGACCAGGGCCAGTATGAGTGCCAGGCCGTC AATATCATTGGTCCCAGAAGGTCGTGGCCACC
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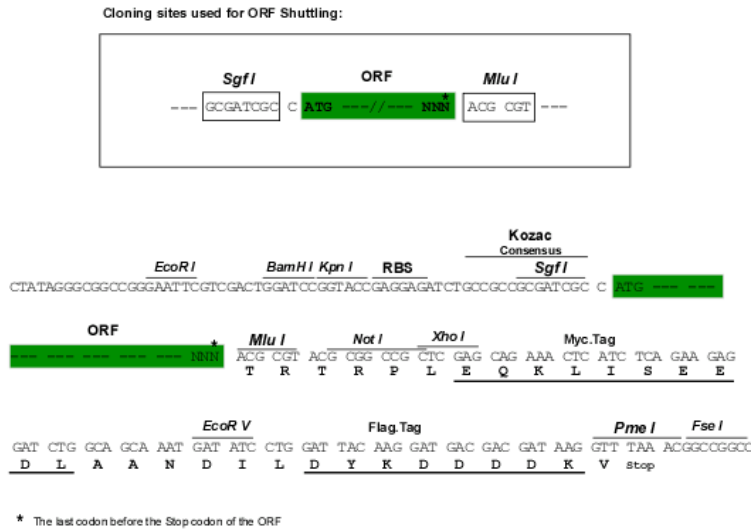
Protein Sequence: >MR218888 protein sequence
 Red=Cloning site Green=Tags(s)

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 NQIETLDPESEFQHLPKLERLFLHNNRITHLVPGTFSQLESMKRLRLDSNALHCDCEILWLADLLKTYAQS
 GNAQAAATCEYPRRIQGRSVATITPEELNCERPRITSEPQDADVTSGNTVYFTCRAEGNPKPEIIWLRNN
 NELSMKTD SRLNLLDDGTLMIQNTQEADG VYQCMAKNVAGEAKTQEVTLRYLGS PARPTFVIQPQNT EV
 LVGESVTLECSATGHPLPQITWTRGDRTPLPIDPRVNITPSGGLYIQNVAQSDSGEYTCFASNSVDSIHA
 TAFIIVQALPQFTVTPQSRVIEGQTVDFQCAAKGHPQPIAWTKGGSQSVDRRHVLSSGTLRISGVA
 LHDQGGYECQAVNIIGSQKVVAHLTVQPRVTPVFASIPSDMTVEVGTNVQLPCSSQGEPEPAITWNKDG
 QVTESGKFHISPEGFLTINDVGTADAGRYECVARNTIGYASVSMVLSVNVDPVSRNGDPYVATSIVEAIA
 TVDRAINSTRTHLFDSRPRSPNDLLALFRYPRDPYTVGQARAGEIFERTLQLIQEHVQHGLMVDLNGTSY
 HYNDLVSPQYLSLIANL SGCTAHRRVNNCSDMCFHQKYRTHDGT CNLQHPMWGASLTA FERLLKAVYEN
 GFNTPRGINSQRQYNGHVL PMPRLVSTTLIGTEVITPDEQFTHMLMQWQGF LDHDL DSTVVALSQARFSD
 GQHCVSSVCSNDPPCF SVMIPPNDPRVRS GARC MFVRS SPVCGSGMTSLLMNSVYPREQINQLTSYIDAS
 NYVGSTDHEARSIRDLASHRGLLRQGI VQRSGKPLL PFATGPPTECMRDENE SIPCFLAGDHRANEQLG
 L TSMHTLWFREHNRIAAELLKLNPHWDGDTVYHETRKIVGAEIQHITYRHWP KILGEVGMKMLGEYRGY
 DPSVNAGIFNAFATAAFRFGHTLINPLL YRLDENFEPIPGHVP LHKAFSPFRI VNEGGIDPLL RGLFG
 VAGKMRIPSQLLNTELTERLFSMAHTVALDLAAINIQRGRDHGIPPYHDYRVYCNLSAAYTFEDLKNEIK
 SPVIREKLQRLYGSTLNIDLFPALMVEDLVPGSRLGPTLMCLLSTQFRRLRDGDLWYENPGVFS PAQLT
 QLKQTSLARILCDNSDNI TRVQQDVFRVAEFPHGYS SCEDI PRVDLRVWQDCCEDCRTRGQFNAFSYHFR
 GRRSLEFSYEDDKPTKRARWRKALSVKHGKHL SNATSATHEHLEGPATNDLKEFVLEMQKIITDLRKQIN
 SLESRLSTTECVDDSGESHGGNTKWKKDPCTVCECKNGQITCFVEACQPAACPQPVKVEGACCPVCLKNT
 AEEKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181395

ORF Size: 4428 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: [NM_181395.1](#), [NM_181395.2](#), [NP_852060.2](#)

RefSeq Size: 6632 bp

RefSeq ORF: 4428 bp

Locus ID: 69675

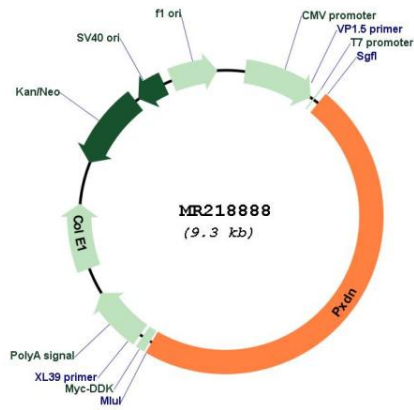
UniProt ID: [Q3UQ28](#)

Cytogenetics: 12 A2

MW: 165.1 kDa

Gene Summary: Displays low peroxidase activity and is likely to participate in H₂O₂ metabolism and peroxidative reactions in the cardiovascular system (By similarity). Plays a role in extracellular matrix formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218888