

Product datasheet for SC122842

PRRX2 (NM_016307) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRRX2 (NM_016307) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRRX2
Synonyms:	PMX2; PRX2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_016307 edited CGCAGCGCGTGCACCAGCGGCTCCGGAGCGAGCGGCCGTGGCTGAGAAGGGGAGGGCGGA AAGTTTGTTCCTCCGACGTCAGCGCCGGGCGGGCCGCGAGGCTAGGAGGCGCGGGAGCT GGGCAGAGCGCGGGCGGGGCTCTCGCTCCGACCCGCGCCCGACCTTCTGCGG ACCCGAGCCCGAGACCCCGCCGCCCGGGGCGCTCGCGGGCATGGACAGCGCGG CCGCCGCTTTCGCCCTGGACAAGCCGGCGCTGGGCCCGGGGCGCGCCGCTCCACCCG CGCTGGGGCCCGGCGACTGCGCCAGGCGCGCAAGAATTCTCGGTGAGCCACCTCTGG ACCTGGAAGAGGTGGCGGCGCCGGGCGGCTGGCGGCGCGCCCGGGGCCAGGGCCGAGG CGCGGGAGGGCGCAGCACGGGAGCCGTCCGGGGGCGAGCGGCAGCGAGGCGGCGCCG AGGATGGTGAGTGTCCCAGCCCGGGGCGCGGTAGCGCCGCAAGCGGAAGAAGAAGCAGC GGCGGAACCGCACCGTTCAACAGCAGCAACTGCAGGCGCTGGAGCGCGTGTTCGAGC GCACGCACTACCCGACGCTTTGTGCGCGAGGAGCTTGCCCGGCGCGTCAACCTCAGCG AGGCGCGCGTTCAGGTCTGGTTTCAGAACCGCCCGCCAAAGTTCCGCAGGAATGAAAGGG CCATGCTGGCCAGCCGCTCTGCCTCGCTGCTCAAGTCCTACAGCCAGGAGGCCGCGCATCG AGCAGCCCGTGGCTCCCCGGCCACCGCCCTGAGTCCAGATTATCTCTCCTGGACAGCCT CGTCCCCCTACAGCACAGTGCCACCCTACAGCCCTGGGAGCTCAGGCCCGCAACCCAG GGGTCAACATGGCCAACAGCATCGCCAGCCTCCGTCTCAAGGCCAAGGAGTTCAGCCTGC ACCACAGCCAGGTGCCTACGGTGAAGTGAAGTCCAGTCCCACCAGGACCCAGACGCTCC CTGGGTGGACAGCAATAGAAAAGGGGCGAGACGCCAGGAAGTACCTTCTCCTGGATGA GCTCTCCTGGCCCGTCTGTCCAGCCTGGACTCCCGAGCCACGAGGCTGTTGAGGGCCCT GCAGCCGGGCCAGCTCTTCTGTCTTGGCCACCAGAGACTGCAGCCACAACCCCTTGA GGGGTTGGCCGGAAGGTGGAAGAGCCTGCCAAGGACCTCATTTAGTTTGTGATTA AAAAAAGCTTTTGTCTTAAAGAAATAAAACCATTTTTTTAAGCCCCAAAAA AAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016307 unedited NNNNNAAGTACACATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCGC AGCGCGTGACACCAGCGGCTCCGGAGCGAGCGGCCGTGGCTGAGAAGGGGAGGGCGAAAG TTTGTTTTCCCGACGTACAGCGCCGGGCGGGCCGCGAGGCTAGGAGGCGGGGAGCTGGG CAGAGCGCGGGGCGGCCGGGCTCTCGCTCCGACCCGCGCCCGACCCCTTCTGGGACC CGAGCCCAGACCCCCCGCGGCCCGGGGGCCGCTCGCGGGCATGGACAGCGCGGCCG CCGCCTTCGCCCTGGACAAGCCGCGCTGGGCCCGGGCCCGCCGCGCCTCCACCCGCGC TGGGGCCCGGCGACTGCGCCAGGCGCGCAAGAATTCTCGGTGAGCCACCTCCTGGACC TGAAGAGGTGGCGCGGCCGGGCGGCTGGCGGCGGCCCGGGGCCAGGCGCATGCGC GGGAGGGCGCATACGGGAGCCGTCCGGGGGCGAGCAGCGCGCAGCGAGGCGCGCCGCATG ATGGTGTGTCACGCCGGTGC GCGGTAGCGCCGCAAGCGGAAGAAGAAGCAGCGGC GGAACCGACACGTTCAACAGCAGCCAAGTGCATGCGCTGGAGCGCGTGTTCGAGCGCA CGCACTACCCGACGCTTTGTGCGCGAGGAGCTTGCCCGGCGCGTCAACCTCAGCGAGG CGCGGTTTAGGTTCTGGTTTCAGAACCGCCGCGCAAGTCCGCATGAATGAAAAGGCCA TGCTGGCCAGCCGCTCTGCTCGCTGCTCAAGTCTACAGCCAGGNAGCCGCCATCGAGC AGCCCGTGGCTCCCCGGCCACGCC
Restriction Sites:	Please inquire
ACCN:	NM_016307
Insert Size:	1327 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:	NM_016307.3 , NP_057391.1
RefSeq Size:	1327 bp
RefSeq ORF:	762 bp
Locus ID:	51450
UniProt ID:	Q99811
Cytogenetics:	9q34.11
Protein Families:	Transcription Factors

Gene Summary:

The DNA-associated protein encoded by this gene is a member of the paired family of homeobox proteins. Expression is localized to proliferating fetal fibroblasts and the developing dermal layer, with downregulated expression in adult skin. Increases in expression of this gene during fetal but not adult wound healing suggest a possible role in mechanisms that control mammalian dermal regeneration and prevent formation of scar response to wounding. The expression patterns provide evidence consistent with a role in fetal skin development and a possible role in cellular proliferation. [provided by RefSeq, Jul 2008]