

Product datasheet for **RG204075**

PRRX2 (NM_016307) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRRX2 (NM_016307) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRRX2
Synonyms:	PMX2; PRX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204075 representing NM_016307 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGCGGGCCGCCCTTCGCCCTGGACAAGCCGGCGCTGGGCCCGGGCCGCCGCCCTCCAC
CCGCGCTGGGGCCCGCGACTGCGCCAGGCGCGCAAGAATTCTCGGTGAGCCACCTCTGGACCTGGA
AGAGGTGGCGGCGCGGGCGGCTGGCGCGCGCCCGGGGCCAGGGCCGAGGCGGGAGGGCGCAGCA
CGGGAGCCGTCCGGGGCAGCAGCGGCAGCGAGGCGCGCCGAGGATGGTGAGTGTCCAGCCCGGGC
GCGGTAGCGCCCAAGCGGAAGAAGAAGCAGCGCGGAACCGCACACGTTCAACAGCAGCCAAGTCA
GGCGCTGGAGCGCGTGTTCGAGCGCACGCACTACCCCGAGCCTTTGTGCGGAGGAGCTTGCCCGGCGC
GTCAACCTCAGCGAGGCGCGCTTCAGGTCTGGTTTCAGAACCAGCGCGCAAGTTCGCGAGGAATGAAA
GGGCCATGCTGGCCAGCCGCTCTGCCTCGCTCAAGTCTACAGCCAGGAGGCCCGCATCGAGCAGCC
CGTGGCTCCCGGCCACCGCCCTGAGTCCAGATTATCTCTCCTGGACAGCCTCGTCCCGCTACAGCACA
GTGCCACCCTACAGCCCTGGGAGCTCAGGCCCGCAACCCAGGGGTCAACATGGCCAACAGCATCGCCA
GCCTCCGTCTCAAGGCCAAGGAGTTCAGCCTGCACCACAGCCAGGTGCCTACGGTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG204075 representing NM_016307
Red=Cloning site Green=Tags(s)

MDSAAAFALDKPALGPGPPPPPPALGPGDCAQARKNFSVSHLLDLEEVAAGRLAARPGARAEAREGAA
 REPSGGSSGSEAAPQDGECPSPGRGSAKRKKKQRRNRTTFNSSQLQALERVFERTHYPDAFVREELARR
 VNLSEARVQVWFQNRRAKFRNRERAMLASRSASLLKSYSQEAIEQPVAPRPTALSPDYLSWTASSPYST
 VPPYSPGSSGPATPGVNMANSIASLRLKAKEFLHHSQVPTVN

TRTRPLE - GFP Tag - V

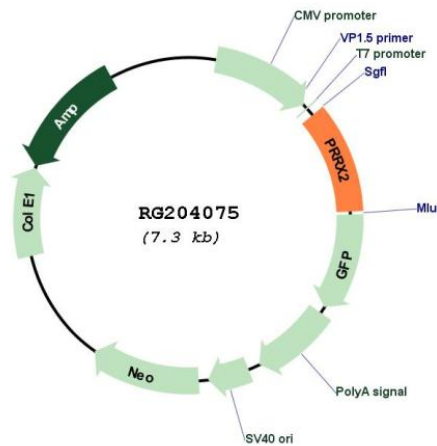
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_016307

ORF Size: 759 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:	<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_016307.4
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]