

## Product datasheet for **SC202123**

### Peroxiredoxin 5 (PRDX5) (NM\_012094) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Peroxiredoxin 5 (PRDX5) (NM_012094) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PRDX5
Synonyms:	ACR1; AOEB166; B166; HEL-S-55; PLP; PMP20; PRDX6; prx-V; PRXV; SBB110
ACCN:	NM_012094
Insert Size:	150 bp
Insert Sequence:	>SC202123 3'UTR clone of NM_012094 The sequence shown below is from the reference sequence of NM_012094. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTGGCACCCAATATCATCTCACAGCTCTGAGGCCCTGGCCAGATTACTTCTCCACCCCTCCCTATCT CACCTGCCAGCCCTGTGCTGGGGCCCTGCAATTGGAATGTTGGCCAGATTCTGCAATAAACACTTGT GGTTTGGGCCA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_012094.5</a></u>



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**Summary:** This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein interacts with peroxisome receptor 1 and plays an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. The use of alternate transcription start sites is thought to result in transcript variants that use different in-frame translational start codons to generate isoforms that are targeted to the mitochondrion (isoform L) or peroxisome/cytoplasm (isoform S). Multiple related pseudogenes have been defined for this gene. [provided by RefSeq, Nov 2017]

**Locus ID:** 25824

**MW:** 5.3