

Recombinant Human PRDX3

Catalog No: #GP10717



Package Size: #GP10717-1 100ug

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Description

Product Name	Recombinant Human PRDX3
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 63-256 amino acids of human peroxiredoxin 3
Target Name	peroxiredoxin 3
Other Names	AOP1, MER5, AOP-1, SP-22, HBC189, PRO1748, prx-III
Accession No.	Swissprot:P30048Gene Accession:BC008435
Uniprot	P30048
GeneID	10935;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a protein with antioxidant function and is localized in the mitochondrion. This gene shows significant nucleotide sequence similarity to the gene coding for the C22 subunit of *Salmonella typhimurium* alkylhydroperoxide reductase. Expression of this gene product in *E. coli* deficient in the C22-subunit gene rescued resistance of the bacteria to alkylhydroperoxide. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologues suggest that these genes consist of a family that is responsible for regulation of cellular proliferation, differentiation, and antioxidant functions. Two transcript variants encoding two different isoforms have been found for this gene.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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