

PRDX3 抗原（重组蛋白）

中文名称： PRDX3 抗原（重组蛋白）

英文名称： PRDX3 Antigen (Recombinant Protein)

别名： AOP1, MER5, AOP-1, SP-22, HBC189, PRO1748, prx-III

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 63-256 amino acids of human PRDX3

技术规格

Full name:	peroxiredoxin 3
Synonyms:	AOP1, MER5, AOP-1, SP-22, HBC189, PRO1748, prx-III
Swissprot:	P30048
Gene Accession:	BC008435
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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.