

Human recombinant protein PRDX 5
Human Recombinant PRDX 5
Catalog # PBV10559r**Specification**

Human recombinant protein PRDX 5 - Product info

Primary Accession	P30044
Concentration	1
Calculated MW	17 kDa KDa

Human recombinant protein PRDX 5 - Additional Info

Gene ID	25824
Gene Symbol	PRDX5

Other Names

Peroxisredoxin 5, ACR1, AOEB116, B116, PLP, PMP20, PRDX6, PRXV, SBB110.

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MAPIKVGDAI PAVEVFEGEP GNKVNLAELF KGKKGVLFV PGAFTPGCSK THLPGFVEQA EALKAKGVQV VACLSVNDAF VTGEWGRAHK AEGKVRLLAD PTGAFGKETD LLLDDSLVSI FGNRRLKRFS MVVQDGIVKA LNVEPDGTGL TCSLAPNIIS QL.

Format

Liquid

Storage

-80°C; 1 mg/ml solution in 20 mM HEPES buffer (pH 7.4).

Human recombinant protein PRDX 5 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein PRDX 5 - Images

Human recombinant protein PRDX 5 - Background

Peroxiredoxin-5, mitochondrial in humans is encoded by the PRDX5 gene. This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. It interacts with peroxisome receptor 1. In human cells, it has been shown that PRDX5 can be addressed to mitochondria, peroxisomes, the cytosol, and the nucleus.

Human recombinant protein PRDX 5 - References

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Yamashita H.,et al.J. Biol. Chem. 274:29897-29904(1999).
Knoops B.,et al.J. Biol. Chem. 274:30451-30458(1999).
Zhou Y.,et al.Biochem. Biophys. Res. Commun. 268:921-927(2000).
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