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Catalase, Human Erythrocytes recombinant protein

H_2O_2:H_2O_2 oxidoreductase
Catalog # PBV10369r

Specification

Catalase, Human Erythrocytes recombinant protein - Product info

Primary Accession	P04040
Calculated MW	**244.0 kDa KDa**

Catalase, Human Erythrocytes recombinant protein - Additional Info

Gene ID	**847**
Gene Symbol	**CAT**
Other Names	
H_2O_2:H_2O_2 oxidoreductase	
Source	**Human Erythrocyte**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**HPLC;**
Recombinant	**No**
Format	
Liquid	

Storage
-70°C; Frozen in 50 mM Tris-HCl, pH 8.0

Catalase, Human Erythrocytes recombinant protein - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Catalase, Human Erythrocytes recombinant protein - Images

Catalase, Human Erythrocytes recombinant protein - Background

Composed of four identical subunits each with a molecular weight of 59,700. Catalyzes the reaction $2H_2O_2$ to H_2O+O_2. Catalase, along with the superoxides dismutase and glutathione peroxidase, controls the levels of oxygen-derived free radicals in mammalian cells, and together may function as a somatic oxidant defense.

Catalase, Human Erythrocytes recombinant protein - References

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Bell G.I.,et al.Nucleic Acids Res. 14:5561-5562(1986).
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