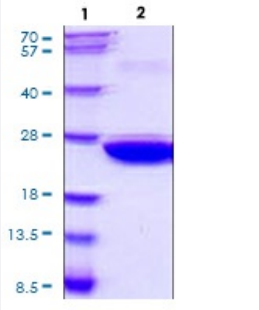
Bioactive Full-Length

Prdx1 (Mouse) Recombinant Protein

Catalog # P7974 Size 100 ug

Applications



Specification

Product Description	Mouse Prdx1 (P35700, 1 a.a. - 199 a.a.) full length recombinant protein with His tag expressed in Baculovirus expression system.
Sequence	MSSGNAKIGYPAPNFKATAVMPDGQFKDISLSEYKGKYVVFFFYPLDFTFVCPTEIIAFSDRADEFKKLNCQVIGASVDSHFCHLAWINTPKKQGGLGPMNIPLISDPKRTIAQDYGVLKADEGISFRGLFIIDDKGILRQITINDLPVGRSVDEIIRLVQAFQFTDKHGEVCPAGWKPGSDTIKPDVNKSKEYFSKQK
Host	Viruses
Theoretical MW (kDa)	23.2
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	Specific activity is > 4000 pmol/min/ug, and is defined as the amount of hydroperoxide that 1 ug of enzyme can reduce at 25°C for minute.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.

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Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — Prdx1

Entrez GeneID	18477
Protein Accession#	P35700
Gene Name	Prdx1
Gene Alias	MSP23, NkefA, OSF-3, OSF3, PAG, Paga, Prdxl, Prxl, TDX2, TPxA, Tdpx2
Gene Description	peroxiredoxin 1
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000009955|OTTMUSP00000009957|Trx dependent peroxide reductase 2|macrophage 23 Kd stress protein|macrophage 23kDa stress protein|macrophase stress protein 22kDa|macrophase stress protein 23 kd|osteoblast specific factor 3|proliferation-associated

Publication Reference

- Peroxiredoxin 1 mediates bleomycin-induced acute lung injury in mice via macrophage NOD1/NF-κB axis.

  Guoliang Jiang, Yan Zhang, Lingzhi Long, Xiangyu Zhang, Tingting Yao, Xiaoyun Cheng, Pan Yu, Lijun Zou, Yijun He, Mao Jiang, Qingxiang Liu, Jie Meng.

  Respiratory Research 2026 Jan; 27(1):97.

  Application: Con, WB, Mouse, Primary mouse bronchial epithelial cells

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