

Peroxiredoxin 6 Active Protein | PRDX6 active protein

Peroxiredoxin 6, 1-224aa, Human, His tag, E Coli (Bioactivity Validated)

CATALOG # AAA48548	HOST E Coli	APPLICATIONS SDS-Page
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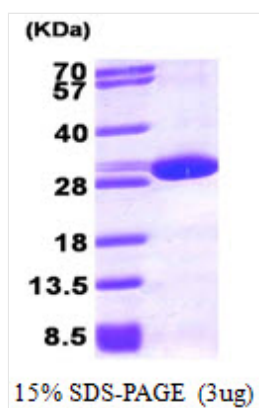
PRODUCT SYNONYMS

Peroxiredoxin 6; 1-224aa; Human; His tag; E Coli (Bioactivity Validated); 1-Cys; aiPLA2; AOP2; NSGPx; p29; PRX; Peroxiredoxin6; PRDX6; PRDX 6; PRDX-6; AA690119; Prdx6 rs3; 1 Cys; 1 Cys peroxiredoxin; 1 Cys PRX; 1 cysPrx; 24 kDa protein; 9430088D19Rik; Acidic calcium independent phospholipase A2; Antioxidant protein 2; Aop2 rs3; Brp 12; mKIAA0106; Ciliary body glutathione peroxidase; CP 3; EC 1.11.1.15; EC 1.11.1.7; EC 3.1.1.1; GPx; KIAA0106; Liver 2D page spot 40; Ltw4; Lvtw 4; MGC46173; Non selenium glutathione peroxidase; ORF06; OTTHuMP00000032693; PHGPx; Phospholipase A2 lysosomal; PLA2; Prdx5; Red blood cells page spot 12; Thiol specific antioxidant protein; ; PRDX6 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Applicable Applications for PRDX6 active protein	SDS-PAGE, Enzyme Activity
Domain	1-224aa
Tag Information	His-tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized fby coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for PRDX6 active protein	Specific activity is >2,000 pmol/min/ug. Enzymatic activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25C for 1minute.
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Product Categories/Family for PRDX6 active protein	Redox Proteins
References	Davison EJ., et al. (2009). Proteomics. 9 (18):4284-97.; Wu J., et al. (2009). Chem Res Toxicol. 22 (4):668-75.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758638
NCBI GeneID	9588
NCBI Accession #	NP_004896
NCBI GenBank Nucleotide #	NM_004905.2
UniProt Accession #	P30041; P32077; Q5TAH4; Q5ZEZ8; A8JZY7
Molecular Weight	27.1 kDa (244aa), confirmed by MALDI-TOF.
NCBI Official Full Name	peroxiredoxin-6
NCBI Official Synonym Full Names	peroxiredoxin 6
NCBI Official Symbol	PRDX6
NCBI Official Synonym Symbols	PRX; p29; AOP2; 1-Cys; NSGPx; aiPLA2; HEL-S-128m
NCBI Protein Information	peroxiredoxin-6
UniProt Protein Name	Peroxioredoxin-6
UniProt Gene Name	PRDX6
UniProt Synonym Gene Names	AOP2; KIAA0106; aiPLA2; NSGPx

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.