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Datasheet for ABIN7479417

Peroxiredoxin 1 Protein (PRDX1) (AA 2-199) (His tag)

Overview

Quantity:	100 µg
Target:	Peroxiredoxin 1 (PRDX1)
Protein Characteristics:	AA 2-199
Origin:	Chinese Hamster
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Peroxiredoxin 1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	SSGNAKIGY PPNFKATAV MPDGQFRDIC LSEYRGKYVV FFFYPLDFTF VCPTEIIAFS DRAEEFKKLN CQVIGASVDS HFCHLAWINT PPKQGGLGPM NIPLVSDPKR TIAQDYGVLK ADEGISFRGL FIIDDKGILR QITINDLPVG RSVDEILRLV QAFQFTDKHG EVCPAGWKPG SDTIKPDVQK SKEYFSKQK
Specificity:	Cricetulus griseus (Chinese hamster) (Cricetulus barabensis griseus)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	Peroxiredoxin 1 (PRDX1)
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Target Details

Alternative Name: Peroxiredoxin-1 (PRDX1) ([PRDX1 Products](#))

Background: Recommended name: Peroxiredoxin-1.
EC= 1.11.1.15.
Alternative name(s): Thioredoxin peroxidase 2.
Short name= TPX-2

UniProt: [Q9JKY1](#)

Pathways: [p53 Signaling](#), [EGFR Signaling Pathway](#), [CXCR4-mediated Signaling Events](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.
