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Datasheet for ABIN7317602

Peroxiredoxin 6 Protein (PRDX6) (His tag)

Overview

Quantity:	100 µg
Target:	Peroxiredoxin 6 (PRDX6)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Peroxiredoxin 6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Peroxiredoxin 6/PRDX6 Protein (His Tag)
Sequence:	Met 1-Pro 224
Characteristics:	A DNA sequence encoding the human PRDX6 (P30041) (Met 1-Pro 224) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	Peroxiredoxin 6 (PRDX6)
Alternative Name:	Peroxiredoxin 6/PRDX6 (PRDX6 Products)
Background:	Background: acid phosphatase-like protein 2; also known as ACPL2; is a secreted protein which belongs to the histidine acid phosphatase family. A large-scale effort; termed the Secreted Protein Discovery Initiative (SPDI); was undertaken to identify novel secreted and transmembrane proteins. In the first of several approaches; a biological signal sequence trap in

Target Details

yeast cells was utilized to identify cDNA clones encoding putative secreted proteins. A second strategy utilized various algorithms that recognize features such as the hydrophobic properties of signal sequences to identify putative proteins encoded by expressed sequence tags (ESTs) from human cDNA libraries. A third approach surveyed ESTs for protein sequence similarity to a set of known receptors and their ligands with the BLAST algorithm. Finally, both signal-sequence prediction algorithms and BLAST were used to identify single exons of potential genes from within human genomic sequence.

Synonym: Peroxiredoxin-6; 1-Cys Peroxiredoxin; 1-Cys PRX; 24 kDa Protein; Acidic Calcium-Independent Phospholipase A2; aiPLA2; Antioxidant Protein 2; Liver 2D PAGE Spot 40; Non-Selenium Glutathione Peroxidase; NSGPx; Red Blood Cells Page Spot 12; PRDX6; AOP2; KIAA0106; p29

Molecular Weight:	26.5 kDa
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UniProt:	P30041
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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