

Note: Centrifuge before opening to ensure complete recovery of vial contents.

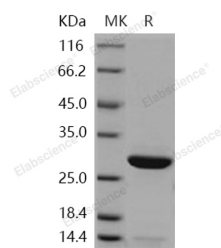
Description

Synonyms	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
Species	Human
Expression Host	E.coli
Sequence	Met 1-Pro 224
Accession	P30041
Calculated Molecular Weight	26.5 kDa
Observed molecular weight	26.5 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 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

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Recombinant Human Peroxiredoxin 6/PRDX6 Protein (His Tag)

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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.

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