

## Peroxiredoxin 6 Protein, Mouse, Recombinant (His)

### General Information

Synonyms:	Ltw4;Prdx6;Acidic calcium-independent phospholipase A2 (aiPLA2);Non-selenium glutathione peroxidase (NSGPx);1-Cys peroxiredoxin (1-Cys PRX);Prdx5;Antioxidant protein 2;Peroxiredoxin-6;Lysophosphatidylcholine acyltransferase 5 (LPC acyltransferase 5;LPCAT-5;Lyso-PC acyltransferase 5);Aop2;Glutathione-dependent peroxiredoxin
Protein Construction:	2-224 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	008709
Molecular Weight:	31.7 kDa (Predicted)
AA Sequence:	PGGLLGDEAPNFEANTTIGRIRFHDFLGDSWGLFSHPRDFTPVCTTELGRAAKLAPEFAKRNVKLIALSIDSV EDHLAWSKDINAYNGETPTEKLPFIIDDKGRLAILLGMLDPVEKDDNNMPVTARVVFIFGPDKKLKLISILYP ATTGRNFDEILRVVDSLQLTGTKPVATPVDWKKGESVMVVPTLSEEEAKQCFPKGVFTKELPSGKKYLRYTPQ P

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

#### Shipping:

In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

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Tel:781-999-4286 E\_email:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481