

GPX7 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P75798
Synonyms:	Glutathione peroxidase 7; GPx-7; GSHPx-7; CL683; GPX6
Species:	Human
Source:	HEK293
Accession:	NP_056511.2 (Q20-L187)
Gene ID:	2882
Molecular Weight:	Disulfide-linked homodimer. Approximately 47.9 kDa in SDS-PAGE under reducing conditions.

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	GPX7, a protein endowed with catalase activity, is predicted to play a role in the cellular response to oxidative stress. Situated in the endoplasmic reticulum, GPX7 demonstrates ubiquitous expression across various tissues, including placenta (RPKM 15.6) and thyroid (RPKM 9.2), underscoring its potential significance in antioxidative processes throughout the body.
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Caution: Product has not been fully validated for medical applications. For research use only.

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