

Recombinant Pongo Pygmaeus GPX4 Protein (1-170 aa), His-SUMO-tagged

Cat. No. GPX4-1903P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pongo Pygmaeus (Bornean orangutan) GPX4 Protein (1-170 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Partial.
Species	Pongo Pygmaeus
Source	E.coli
ProteinLength	1-170 aa
Description	Could play a major role in protecting mammals from the toxicity of ingested lipid hydroperoxides. Essential for embryonic development. Protects from radiation and oxidative damage.
Form	Tris-based buffer,50% glycerol
Molecular Mass	35.0 kDa
AA Sequence	MSLGRLCRLKPALLCGALAAPLAGTMCASRDDWRCARSMHEFSAKDIDGHMVN LDKYRGFVCIVTNVASQUGKTEVNYTQLVDLHARYAECGLRILAFPCNQFGKQEPG SNEEIKEFAAGYNVKFDMFSKICVNGDDAHPLWKWMKIQPKGKGILGNAIKWNFTKF LI
Purity	> 90% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

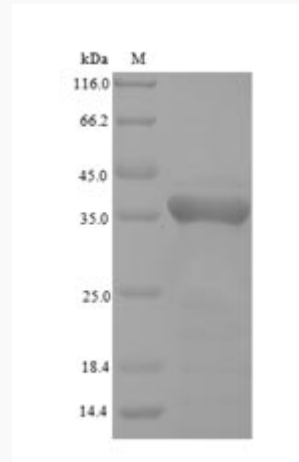
Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Synonyms GPX4; Glutathione peroxidase 4 Short name:GPx-4 Short name:GSHPx-4;

UniProt ID [Q4AEH2](https://www.uniprot.org/entry/Q4AEH2)



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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