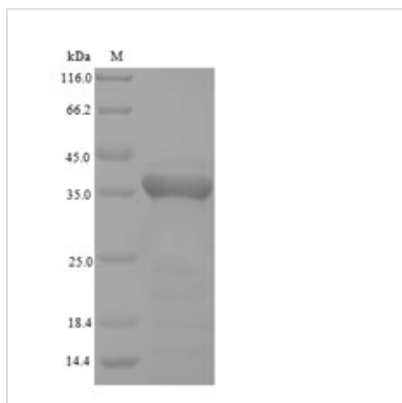




# Recombinant Pongo pygmaeus Phospholipid hydroperoxide glutathione peroxidase (GPX4) (U73S), partial

<b>Product Code</b>	CSB-EP670014EXP
<b>Relevance</b>	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
<b>Abbreviation</b>	Recombinant ongo pygmaeus GPX4 protein (U73S), partial
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q4AEH2
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	ongo pygmaeus (Bornean orangutan)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MSLGRLCRLKPALLCGALAAPGLAGTMCASRDDWRCARSMHEFSAKDIDGH MVNLDKYRGFVCIVTNVASQUKGTEVNYTQLVDLHARYAECGLRILAFPCNQF GKQEPGSNEEIKEFAAGYNVKFDMFSKICVNGDDAHPLWKWMKIQPKGKGIL GNAIKWNFTKFLI
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	GPX4
<b>Expression Region</b>	28-197aa(U73S)
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	35.0kDa
<b>Protein Length</b>	Cytoplasmic Domain
<b>Image</b>	



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

## Description

In the general process of expressing the recombinant ongo pygmaeus (Bornean orangutan) GPX4 protein, a plasmid encoding the ongo pygmaeus (Bornean orangutan) GPX4 protein (28-197aa(U73S)) is constructed first. The plasmid is transferred into e.coli cells, from which cells containing the plasmid are selected and cultured to express the protein. A N-terminal 6xHis-SUMO tag is fused to the protein. The recombinant ongo pygmaeus (Bornean orangutan) GPX4 protein undergoes affinity purification and SDS-PAGE analysis. This protein surpasses a purity level of 90%.

## Shelf Life

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