





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

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 I of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 1 months at -20°C/-80°C. Uniprot No. Q4AEH2 Storage Buffer Tris-based buffer,50% glycerol Product Type Recombinant Proteins Immunogen Species ongo pygmaeus (Bornean orangutan) Purity Greater than 90% as determined by SDS-PAGE. Sequence MSLGRLCRLLKPALLCGALAAPGLAGTMCASRDDWRCARSMHEFSAKDIDG MVNLDKYRGFVCIVTNVASQUGKTEVNYTQLVDLHARYAECGLRILAFPCNOOR		
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Research Area Others	ead Time	3-7 business days
	esearch Area	Others
Source E.coli	ource	E.coli
Gene Names GPX4	ene Names	GPX4
Expression Region 28-197aa(U73S)	xpression Region	28-197aa(U73S)
Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4°C for up to one week.	otes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info N-terminal 6xHis-SUMO-tagged		N-terminal 6xHis-SUMO-tagged
Mol. Weight 35.0kDa	ag Info	
Protein Description Cytoplasmic Domain		35.0kDa
	lol. Weight	

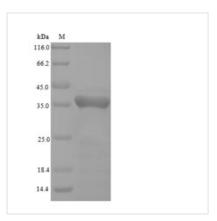


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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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 purification and SDS-PAGE analysis. This protein surpasses a purity level of 90%.