Datasheet for ABIN7587216

Glutathione Peroxidase 1 Protein (GPX1) (AA 65-236) (His tag)

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Overview

Quantity:	100 µg
Target:	Glutathione Peroxidase 1 (GPX1)
Protein Characteristics:	AA 65-236
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glutathione Peroxidase 1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	RPFTVQ ARAAAEKTVH DFTVKDIDGK DVALNKFKGK VMLIVNVASR CGLTSSNYSE LSHLYEKYKT QGFEILAFPC NQFGFQEPGS NSEIKQFACT RFKAEFPIFD KVDVNGPSTA PIYEFLKSNA GGFLGGLIKW NFEKFLIDKK GKVVERYPPT TSPFQIEKDI QKLLAA
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	Glutathione Peroxidase 1 (GPX1)
Alternative Name:	Phospholipid hydroperoxide glutathione peroxidase 1, chloroplastic (GPX1) (GPX1 Products)

Target Details

Background:	Recommended name: Phospholipid hydroperoxide glutathione peroxidase 1, chloroplastic. Short name= PHGPx. EC= 1.11.1.12
UniProt:	P52032
Pathways:	Thyroid Hormone Synthesis, Sensory Perception of Sound, Skeletal Muscle Fiber Development, Cell RedoxHomeostasis, Negative Regulation of intrinsic apoptotic Signaling, SARS-CoV-2 Protein Interactome

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.