

Datasheet for ABIN7566162

Glutathione Peroxidase 1 Protein (GPX1) (AA 1-201) (His tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	Glutathione Peroxidase 1 (GPX1)
Protein Characteristics:	AA 1-201
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Glutathione Peroxidase 1 protein is labelled with His tag.

Product Details

Purpose:	GPX1 (human) (rec.) (His)
Cross-Reactivity:	Human
Characteristics:	Human GPX1 (aa 1-201) is fused at the C-terminus to a His-tag.
Purity:	>90 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).
Biological Activity Comment:	Catalytic activity: Not tested.

Target Details

Target:	Glutathione Peroxidase 1 (GPX1)
Alternative Name:	GPX1 (GPX1 Products)

Target Details

Background:	Glutathione Peroxidase 1, Cellular Glutathione Peroxidase, GPx-1, GSHPx-1 Glutathione peroxidase 1 (GPX1) is an antioxidant enzyme that is down-regulated in cancer cells. Protects the hemoglobin in erythrocytes from oxidative breakdown. Its main role is the prevention of cancer initiation by ROS-mediated DNA damage.
Molecular Weight:	~25kDa (SDS-PAGE)
UniProt:	P07203
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

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	In PBS.
Handling Advice:	After reconstitution, prepare aliquots and store at -20 °C.Avoid freeze/thaw cycles.Centrifuge lyophilized vial before opening and reconstitution.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.