Datasheet for ABIN7318541

GSTP1 Protein

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Overview

Quantity:	50 µg
Target:	GSTP1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human GSTP1 Protein
Sequence:	Met 1-Glu210
Characteristics:	Recombinant Human Glutathione S-Transferase pi 1 is produced by our E.coli expression system and the target gene encoding Met1-Glu210 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GSTP1
Alternative Name:	GSTP1 (GSTP1 Products)
Background:	Background: Glutathione S-transferase P (GSTP1) is an enzyme that contains 1 GST C-terminal domain, 1 GST N-terminal domain. GSTP1 belongs to the GST superfamily, the GSTs are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their

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Target Details

	biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. The glutathione S-transferase pi gene (GSTP1) is a polymorphic gene encoding active, functionally different GSTP1 variant proteins. Besides, it regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration. It thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. Synonym: Glutathione S-transferase P,GSTP1,GST class-pi,GSTP1-1,FAEES3,GST3,
Molecular Weight:	23.5 kDa
UniProt:	P09211
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris,150 mM NaCl,10 % Glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.