

Recombinant Human GSTA1 protein, His-tagged

Cat. No. GSTA1-2654H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSTA1 aa. (Ala2~Phe222 (Accession # P08263)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala2~Phe222
Description	This gene encodes a member of a family of enzymes that function to add glutathione to target electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins, and products of oxidative stress. This action is an important step in detoxification of these compounds. This subfamily of enzymes has a particular role in protecting cells from reactive oxygen species and the products of peroxidation. Polymorphisms in this gene influence the ability of individuals to metabolize different drugs. This gene is located in a cluster of similar genes and pseudogenes on chromosome 6. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.9.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	GSTA1 glutathione S-transferase alpha 1 [Homo sapiens (human)]
Official Symbol	GSTA1
Synonyms	GSTA1; glutathione S-transferase alpha 1; GST2; GTH1; GSTA1-1; GST-epsilon; glutathione S-transferase A1; GST HA subunit 1; GST class-alpha member 1; S-(hydroxyalkyl)glutathione lyase A1; glutathione S-alkyltransferase A1; glutathione S-aryltransferase A1; glutathione S-transferase 2; glutathione S-transferase Ha subunit 1; testicular tissue protein Li 80
Gene ID	2938
mRNA Refseq	NM_145740.4

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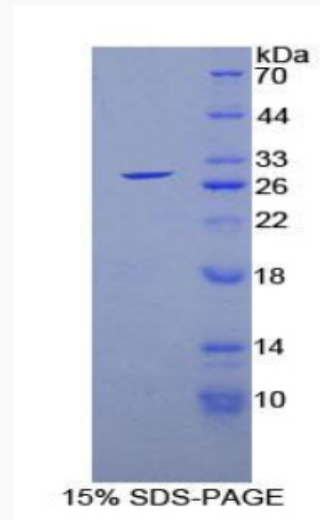
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Protein Refseq NP_665683.1

UniProt ID P08263

SDS-PAGE



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