

Recombinant Human GSTT2 protein, His & T7-tagged

Cat. No. GSTT2-2665H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSTT2 aa. (Arg15~Ala235 (Accession # P0CG29)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg15~Ala235
Description	The protein encoded by this gene, glutathione S-transferase (GST) theta 2 (GSTT2), is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1, GSTT2, and GSTT2B. GSTT2 and GSTT2B are nearly identical to each other, and share 55% amino acid identity with GSTT1. All three genes may play a role in human carcinogenesis. The GSTT2 gene is a pseudogene in some populations.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 7.2.
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	GSTT2 glutathione S-transferase theta 2 (gene/pseudogene) [Homo sapiens (human)]
Official Symbol	GSTT2
Synonyms	GSTT2; glutathione S-transferase theta 2 (gene/pseudogene); glutathione S-transferase theta-2; GST class-theta-2
Gene ID	2953
mRNA Refseq	NM_000854.4
Protein Refseq	NP_000845.2

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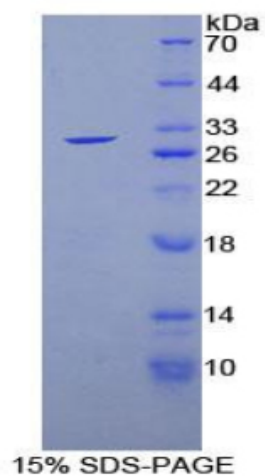
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UniProt ID

P0CG29

SDS-PAGE



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