

AR50289PU-N

Human GSTT2 (1-244, His-tag) - Purified

Alternate names:

Glutathione S-transferase theta-2

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Glutathione S-transferase theta 2, also known as GSTT2, is member of the glutathione s-transferase (GST) family of proteins. There are eight families of GST proteins, namely alpha, kappa, mu, omega, pi, sigma, theta and zeta, each of which is composed of proteins that have a variety of functions throughout the cell. The theta class members GSTT1 and GSTT2 share 55% amino acid sequence identity and both are thought to have an important role in human carcinogenesis. The theta genes have a similar structure, being composed of five exons with identical exon/intron boundaries.

Uniprot ID:

[P0CG30](#)

NCBI:

[NP_000845](#)

GeneID:

[653689](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,

Description:

Recombinant human GSTT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGLEFLDLV SQPSRAVYIF AKKNGIPLEL RTVDLVKGQH
KSKEFLQINS LGKLPTLKDG DFILTESSAI LIYLSCKYQT PDHWYPSDLQ ARARVHEYLG
WHADCIRGTF GIPLWVQVLG PLIGVQVPEE KVERNRTAMD QALQWLEDKF LGDRPFLAGQ
QVTLADLMAL EELMQPVALG YELFEGRPRL AAWRGRVEAF LGAELCQEAH SIILSILEQA
AKKTLPTPSP EAYQAMLLRI ARIP

Molecular weight: 29.6 kDa (264aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Tan KL., et al. (1995) Genomics. 25(2):381-7. Hussey AJ., et al. (1992) Biochem J. 286:929-35.

Pictures:

