Recombinant human Glutathione S-transferase theta 2/GSTT2 protein

Catalog Number: ATGP1464

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-244aa

UniProt No.
P0CG29

NCBI Accession No.
NP_000845

Alternative Names
Glutathione S-transferase theta 2, GSTT2B

PRODUCT SPECIFICATION

Molecular Weight
29.6 kDa (264aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
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. Recombinant human GSTT2 protein, fused to His-tag at N-terminus, was

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expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

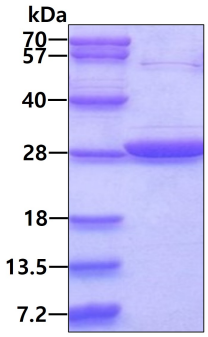
<MGSSHHHHHH SSGLVPRGSH> MGLELFLDLV SQPSRAVYIF AKKNGIPLEL RTVDLVKGQH KSKEFLQINS LGKLPTLKDG DFILTESSAI LIYLSCKYQT PDHWYPSDLQ ARARVHEYLG WHADCIRGTF GIPLWVQVLG PLIGVQVPEE KVERNRTAMD QALQWLEDKF LGDRPFLAGQ QVTLADLMAL EELMQPVALG YELFEGRPRL AAWRGRVEAF LGAELCQEAH SIILSILEQA AKKTLPTPSP EAYQAMLLRI ARIP

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.