Recombinant mouse Glutathione S-transferase Pi 2/GSTP2 protein

Catalog Number: ATGP3243

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-210aa

UniProt No.
P46425

NCBI Accession No.
NP_861461

Alternative Names
Glutathione S-transferase P2, Gst3, Gstp2, GSTpiA

PRODUCT SPECIFICATION

Molecular Weight
25.9 kDa (233aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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
GSTP2 also known as Gltathione S-transferase P 2 is multifunctional enzymes involved in the protection of cellular components against anti-cancer drugs or peroxidative stress. Down regulation of GSTP2 may induce an increase of oxidative damage in the pyramidal cells of the CA1 and CA3 regions and granular layer of the dentate gyrus, leading to structural and functional damage. Recombinant mouse GSTP2, fused to His-tag at N-terminus was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

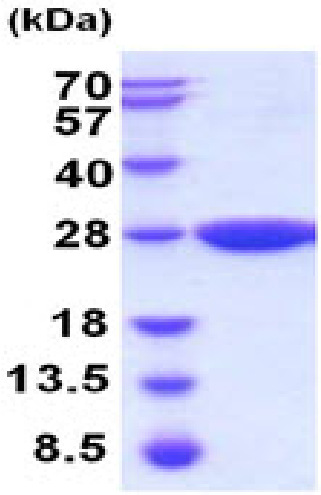
MGSSHHHHHH SSGLVPRGSH MGSMPPYTIV YFPSPGRCEA MRMLLADQGQ SWKEEVVTID TWMQGLLKPT CLYGQLPKFE DGDLTLYQSN AILRHLGRSL GLYGKNQREA AQVDMVNDGV EDLRGKYGTM IYRNYENGKN DYVKALPGHL KPFETLLSQN QGGKAFIVGD QISFADYNLL DLLLIHQVLA PGCLDNFPLL SAYVARLSAR PKIKAFLSSP EHVNRPINGN GKQ

General References

Ejchel-Cohen TF., et al. (2006) Brain Res. 1090(1): 156-62.
Goto S., et al. (2009) Free Radic Biol Med. 46(10): 1392-403.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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