

Recombinant mouse Glutathione S-transferase Pi 2/GSTP2 protein

Catalog Number: ATGP3315

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

23.5 kDa (210aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

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 Glutathione S-transferase P2. Glutathione S-transferases are multifunctional enzymes involved in the protection of cellular components against anti-cancer drugs or peroxidative stress. Downregulation 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 was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

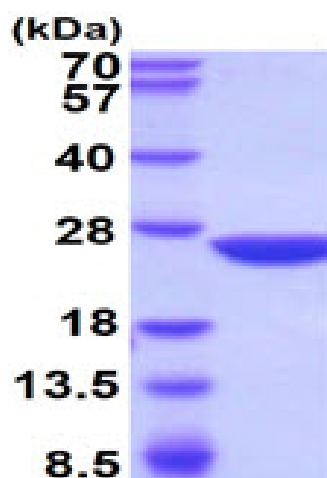
MPPYTIVYFP SPGRCEAMRM LLADQGQSWK EEVVTIDTWM QGLLKPTCLY GQLPKFEDGD LTLYQSNAIL RHLGRSLGLY
GKNQREAAQV DMVNDGVEDL RGKYGTMIYR NYENGKNDYV KALPGHLKPF ETLLSQNQQG KAFIVGDQIS FADYNLLDLL
LIHQVLAPGC LDNFPLLSAY VARLSARPKI KAFLSSPEHV NRPINGNGKQ

General References

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

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)