Recombinant mouse Glutathione S-Transferase Pi 1/GSTP1 protein

Catalog Number: ATGP3146

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-210aa

UniProt No.
P19157

NCBI Accession No.
NP_038569

Alternative Names
Glutathione S-transferase P 1

PRODUCT SPECIFICATION

Molecular Weight
26 kDa (233aa) confirmed by MALDI-TOF

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

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

Purity
> 90% by SDS-PAGE

Biological Activity
Specific activity is > 40unit/mg, and is defined as the amount of enzyme that conjugate 1.0 umole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25C.

Tag
His-Tag

Application
SDS-PAGE, Enzyme Activity

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
Gstp1 also known as Glutathione S-transferase P 1. Gstp1 is a superfamily of ubiquitously expressed cytosolic, mitochondrial and membrane-associated enzymes involved in a range of detoxification processes. Also Increased Gstp1 levels were consistently associated with reduced Cdk5 activity. Gstp1 directly inhibits Cdk5 by

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dislodging p25/p35, and indirectly by eliminating oxidative stress. Recombinant mouse Gstp1, fused to His-tag at N-terminus was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

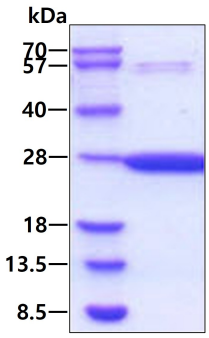
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General References

Sailer V., et al. (2015) Histopathology. doi: 10.1111/his.12671.
S Kai-Hui., et al. (2011) Journal of Neurochemistry vol. 118(5): 902-914.

DATA

SDS-PAGE



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