
Product Data Sheet

Product Name: GSTP2 Mouse
 Cat. No.: GP21756
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GlutathioneS-transferase P 2; Gst P2; GST YF-YF; GST class-pi; GST-piA.		
Amino Acid Sequence	MPPYTIVYFP SPGRCEAMRM LLADQGQSWK EEVVTIDTWM QGLLKPTCLYGQLPKFEDGD LTLYQSNAIL RHLGRSLGLY GKNQREAAQV DMVNDGVEDL RGKYGTMIYR NYENGKNDYVKALPGHLKPF ETLLSQNQGG KAFIVGDQIS FADYNLLDLL LIHQVLAPGC LDNFPLLSAYVARLSARPKI KAFLSSPEHVNRPINGNGKQ.		
Formulation	TheGSTP2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and20% glycerol.		

Introduction

Glutathione S-transferase PI 2, also known as GSTP2 is multifunctional enzyme which is involved in the protection of cellular components against anti-cancer drugs or peroxidative stress. Furthermore, down regulation of GSTP2 induces an increase of oxidative damage in the pyramidal cells of the CA1&CA3 regions as well as in the granular layer of the dentate gyrus, which at the end leads to structural and functional damage.

Stability

Store at 4°C if entire vial will be used within 2-4weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA orBSA). Avoid multiple freeze-thaw cycles.

Background

GSTP2Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptidechain containing 210 amino acids (1-210 a.a.) and having a molecular mass of 23.5kDa. The GSTP2 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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