

Gstp1, 1-210aa, Mouse, His tag, E.coli

Cat.NO.: TP02362

3th Edition

Synonyms:GstpiB

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 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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMPPYTIVYFPVRGRCEAMRMLLADQGQSWKEEVVTIDTWMQGLLKPTCLY
GQLPKFEDGDLTLYQSNAILRHLGRSLGLYGKNQREAAQMDMVNDGVEDLRGKYVTLIYTNYENGKNDYVKALPG
HLKPFETLLSQNQGGKAFIVGDQISFADYNLLDLLLIHQVLAPGCLDNFPLLSAYVARLSARPKIKAFSSPEHVNRPI
NGNGKQ

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.