

**Gsta1, 1-223aa , Mouse, His tag, E.coli**

**Cat.NO.: TP02349**

3th Edition

**Synonyms:**Glutathione S-transferase, A1, Gst2-1, OTTMUSG00000031890

**Description:**Gsta1 also known as Glutathione S-transferase, A1, belongs to a glutathione S-transferase alpha class and is the most abundantly expressed in liver. This protein functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. Recombinant mouse Gsta1, 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 (pH7.4) containing 10% glycerol, 1mM DTT

**Molecular Weight:**28kDa (246aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMAGKPVLYHFNARGRMCEIRWLLAAAGVEFEKFIQSPEDLEKLKKGDNLM  
FDQVPMVEIDGMKLAQTRAILNYIATKYDLYGKDMKERALIDMYSEGILDLTEMIGQLVLCPPDQREAKTALAKDRTK  
NRYLPFAFEKVLKSHGQDYLVGNRRLTRVDIHLLEVLLYVEEFDASLLTPFLLKAFKSRISLPLNVKKFLQPGSQRKPP  
MDAKQIQEARKAFKIQ

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**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.