

GSTA1, 1-222aa, Human, E.coli

Cat.NO.: TP02348

3th Edition

Synonyms:Glutathione S-transferase alpha 1, GST2, GSTA1-1, GTH1

Description:GSTA1, also known as Glutathione S-transferase alpha 1, 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 human GSTA1 protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT 10% glycerol

Molecular Weight:25.6 kDa (222aa), confirmed by MALDI-TOF

Sequences:

MAEKPKLHYFNARGRMESTRWLLAAAGVEFEKFIKSAEDLDKLRNDGYLMFQQVPMVEIDGMKLVQTRAILNYIA
SKYNLYGKDIKERALIDMYIEGIADLGEMILLPVCPPEEKDAKLALIKEIKNRYFPAFEKVLKSHGQDYLVGNKLSRA
DIHLVELLYYVEELDSSLISFPLLKALKTRISNLPTVKKFLQPGSPRKPPMDEKSLEEARKIFRF

Purity:> 95% by HPLC

Concentration:1 mg/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.