

GSTA4, 1-222aa, Human, His tag, E.coli

Cat.NO.: TP02350

3th Edition

Synonyms:Glutathione S-transferase alpha 4, GSTA4-4, GTA4.

Description:GSTA4, also known as glutathione S-transferase A4, belongs to the GST superfamily. This enzyme is involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. GSTA4 shows very high activity with reactive carbonyl compounds such as alk-2-enals.

Form:Liquid. In 20 mM Tris-HCl buffer, pH8.0, 20% glycerol, 2mM DTT, 100mM NaCl

Molecular Weight:28.3kDa (246aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMAARPKLHYPNGRGRMESVRWVLAAAGVEFDEEFLETKEQLYKLQDGNH
LLFQQVPMVEIDGMKLVQTRSILHYIADKHNLFQGNLKERTLIDMYVEGTLDLLELLIMHPFLKPDDQQKEVVNMAQK
AIIRYFPVFEEKILRGHGQSFLVGNQLSLADVILLQILALEEKIPNILSAFPFLQEYTVKLSNIPTIKRFLEPGSKKKPPPD
EIYVRTVYNIFRP

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.