

Product information



GSTT1, 1-240aa

Cat. No. IBATGP0346

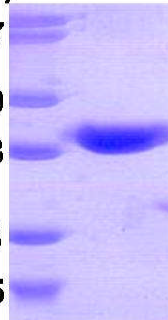
Human, His-tagged, Recombinant, *E.coli*

Full name: Glutathione S-transferase theta 1

NCBI Accession No.: AAH07065

Synonyms: GST class-theta-1, Glutathione transferase T1-1

Description: Glutathione S-transferase theta 1(GSTT1) is one of the GSTs' four main classes: alpha, mu, pi, theta. This enzyme is involved in activation and detoxification reactions and catalyzes the conjugation of industrial chemicals, e.g. epoxybutane, ethylene oxides, halomethane with glutathione. The absence of the GSTT1 enzyme, might determine the individual risk for development of acquired aplastic anemia and acute myeloid leukemia. Recombinant human GSTT1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

| | |
|---|--|
| <p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol</p> <p>Molecular Weight: 31.5 kDa (277aa)</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p> | <p>(kDa)</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p>  <p>15% SDS-PAGE (3ug)</p> |
|---|--|

Sequences of amino acids:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMGL ELYLDLLSQP CRAVYIFAKK NDIPFELRIV DLIKGQHLSD ACAQVNPLKK
VPALKDGDFT LTESVAIILLY LTRKYKVPDY WYPQDLQARA RVDEYLAWQH TTLRRSCLRA LWHKVMFPVF LGEPVSPQTL AATLAELDVT
LQLLEDKFLQ NKAFLTGPHI SLADLVAITE LMHPVGAGCQ VFEGRPKLAT WRQRVEAAVG EDLFQEAHEV ILKAKDFPPA DPTIKQKLMP
WVLAMIR

General references:

Faramawy MM., et al. (2009). *J Crit Care.* **24**(3):e7-10.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Delpisheh A., *et al.* (2009). *Eur J Obstet Gynecol Reprod Biol.* **143**(1):38-42.

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.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.