

**GSTT1, 1-240aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP02364**

3th Edition

**Synonyms:**Glutathione S-transferase theta 1, 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.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**31.5 kDa (277aa)

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMGLELYDLLSQPCRAVYIFAKKNDIPFELRIVDLIKG  
QHLSDACAQVNPLKKVPALKDGDFTLTESVAILLYLTRKYKVPDYWYPQDLQARARVDEYLAWQHHTTLRRSCLRAL  
WHKVMFPVFLGEPVSPQTLAATLAELDVTLLQLEDKFLQNKAFLTGPHISLADLVAITELMHPVGAGCQVFEGRPKL  
ATWRQRVEAAVGEDLFQEAHEVILKAKDFPPADPTIKQKLMPWVLAMIR

**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.