
Recombinant Human GSTT2 Protein, N-His

Catalog Number: bs-105737P

Species: Human

AA Seq: 15-235/244

Predicted MW: 27.22 kDa

Tags: N-His

Purity: >90% as determined by SDS-PAGE.

Purification: AC

Form: Lyophilized

Storage: Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.

Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.

Background: Glutathione (GSH) is a tripeptide antioxidant which reduces disulfide bonds between cytoplasmic proteins. The constitutive enzyme glutathione reductase transforms glutathione into its reduced state which ultimately can provide a measure of cellular toxicity. GSTT2 (glutathione S-transferase theta-2), also known as GST class-theta-2, is a 244 amino acid enzyme with sulfatase activity that functions in conjugating reduced glutathione to hydrophobic electrophiles. GSTT2 exists as a homodimer in the cytoplasm and is expressed in low levels in the liver and the lung. GSTT2 belongs to the GST superfamily and contains both a GST C-terminal and a GST N-terminal domain. The gene encoding GSTT2 exists on human chromosome 22.