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AR09373PU-L Human GSTO1 (1-241) - Purified

Alternate names: GSTO-1, GSTTLP28, Glutathione S-transferase omega-1

Quantity: 0.5 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: GSTO1, also known as p28 or GSTTLp28, is a protein that localizes to the cytoplasm and contains both an N-terminal and a C-terminal GST domain. In mouse, the encoded protein acts as a small stress response protein, likely involved in cellular redox homeostasis. This protein has dehydroascorbate reductase activity and may function in the glutathione-ascorbate cycle as part of antioxidant metabolism.

Uniprot ID: P78417

NCBI: NP_004823

GeneID: 9446

Species: Human

Source: E. coli

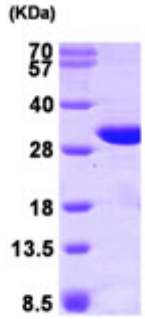
Format:
State: Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

Description: Recombinant human GSTO1 protein was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
GSTO1, also known as p28 or GSTTLp28, is a protein that localizes to the cytoplasm and contains both an N-terminal and a C-terminal GST domain. In mouse, the encoded protein acts as a small stress response protein, likely involved in cellular redox homeostasis. This protein has dehydroascorbate reductase activity and may function in the glutathione-ascorbate cycle as part of antioxidant metabolism. Recombinant human GSTO1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular weight: 27.5 kDa (241 aa)

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Ruiz-Romero C., et al. (2008) Proteomics. 8(3):495-507.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human GSTO1, 1-241 aa:
15% SDS-PAGE (3ug)