

Recombinant Human GSTA4 Protein, DDK-tagged

Cat. No. GSTA4-906H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSTA4 fused with DDK tag at C-terminal was expressed in CHO cells.
Species	Human
Source	CHO
Description	Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase belonging to the alpha class. The alpha class genes, which are located in a cluster on chromosome 6, are highly related and encode enzymes with glutathione peroxidase activity that function in the detoxification of lipid peroxidation products. Reactive electrophiles produced by oxidative metabolism have been linked to a number of degenerative diseases including Parkinson's disease, Alzheimer's disease, cataract formation, and atherosclerosis.
Form	PBS, pH7.4, 10% glycerol
Molecular Mass	29.3 kDa
Purity	> 90% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name [GSTA4 glutathione S-transferase alpha 4 \[Homo sapiens \]](#)

Official Symbol [GSTA4](#)

Synonyms GSTA4; glutathione S-transferase alpha 4; glutathione S transferase A4; glutathione S-transferase A4; GST class-alpha member 4; glutathione transferase A4-4; glutathione S-transferase A4-4; glutathione S-aryltransferase A4; glutathione S-alkyltransferase A4; glutathione S-aralkyltransferase A4; S-(hydroxyalkyl)glutathione lyase A4; GTA4; GSTA4-4; DKFZp686D21185;

Gene ID [2941](#)

mRNA Refseq [NM_001512](#)

Protein Refseq [NP_001503](#)

MIM [605450](#)

UniProt ID [O15217](#)

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