

Recombinant Full Length Human GSTA4 Protein

Cat. No. GSTA4-213HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GSTA4 with N terminal proprietary tag. Predicted MW 50.16 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	222 amino acids
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 Parkinsons disease, Alzheimers disease, cataract formation, and atherosclerosis.
Form	Liquid
Molecular Mass	50.160kDa inclusive of tags

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AA Sequence	MAARPKLHYPNGRGRMESVRWVLAAGVEFDEEFLETKEQ LYKLQDGNHLLFQQV PMVEIDGMKLVQTRSILHYIADKHN LFGKNLKERTLIDMYVEGTLDLLELLIMHPFLKP DDQQKE VVNMAQKAIIRYFPVFEEKILRGHGQSFLVGNQLSLADVIL LQTILALEEKIP NILSAFPFLQEYTVKLSNIPTIKRFLEP GSKKKPPPDEIYVRTVYNIFRP
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.
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
Gene ID	2941
mRNA Refseq	NM_001512
Protein Refseq	NP_001503
MIM	605450
UniProt ID	O15217

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