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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GSTA3 (Human) Recombinant Protein (P01)

Catalog Number: H00002940-P01

Regulation Status: For research use only (RUO)

Product Description: Human GSTA3 full-length ORF (AAH20619, 1 a.a. - 222 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MAGKPKLHYFNGRGRMEPIRWLLAAAGVEFEEKFIGS
AEDLGKLRNDGSLMFQQVPMVEIDGIKLVQTRAILNYIA
SKYNLYGKDIKERALIDMYTEGMADLNEMILLLPLCRPE
EKDAKIALIKEKTKSRYFPAFEKVLQSHGQDYLVGNKL
SRADISLVELLYYVEELDSSLISNFPLLKALKTRISNLPT
VKKFLQPGSPRKPPADAKALEEARKIFRF

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 50.16

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2940

Gene Symbol: GSTA3

Gene Alias: GSTA3-3, GTA3, MGC22232

Gene Summary: 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-tranferase belonging to the alpha class genes that are located in a cluster mapped to chromosome 6. Genes of the alpha class are highly related and encode enzymes with glutathione peroxidase activity. However, during evolution, this alpha class gene diverged accumulating mutations in the active site that resulted in differences in substrate specificity and catalytic activity. The enzyme encoded by this gene catalyzes the double bond isomerization of precursors for progesterone and testosterone during the biosynthesis of steroid hormones. An additional transcript variant has been identified, but its full length sequence has not been determined. [provided by RefSeq]