

GST A3-3 recombinant protein

GST A3-3, Recombinant Human

CATALOG #
AAA71851

HOST
Human recombinant protein expressed in E Coli.

PRODUCT SYNONYMS

GST A3-3; Recombinant Human; Recombinant Human GST A3-3; GST A3-3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human recombinant protein expressed in E Coli.
Specificity	Specific Activity: 61 U/mg using spectrophotometric determination of 1-chloro- 2,4-dinitrobenzene (CDNB) conjugation with reduced glutathione (1 mM) in 100 mM NaPO ₄ (pH 6.5) at room temperature.
Purity/Purification	95% as assessed by inspection on a Coomassie Blue-stained SDS-PAGE gel.
Concentration	1.0 mg/mL total protein using the Bradford protein assay with BSA as a standard. (varies by lot)
Sequence Length	222
Storage Buffer	1.0 mg/mL total protein using the Bradford protein assay with BSA as a standard.
Procedural Notes	This purified product exhibits high enzymatic activity for CDNB, the synthetic substrate that is most commonly used for GST analyses. However, as is widely known for GST activity analysis using CDNB as a substrate, low concentrations (high dilutions) of the enzyme result in lower activity values. In contrast, initial velocities are much higher for more concentrated levels of enzyme but the rate decreases rapidly. Therefore, activity toward CDNB and these considerations provide guidance when assaying this product under low concentrations or when using substrates other than CDNB.
Preparation and Storage	At -20 degree C; AVOID MULTIPLE FREEZE-THAW CYCLES.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264437
NCBI GeneID	2940
UniProt Accession #	Q068V6 ; O43468 ; Q8WWA8 ; Q9H415 ; Q16772
Molecular Weight	~25 kDa
NCBI Official Full Name	Glutathione S-transferase A3
NCBI Official Synonym Full Names	glutathione S-transferase alpha 3
NCBI Official Symbol	GSTA3
NCBI Official Synonym Symbols	GTA3; GSTA3-3
NCBI Protein Information	glutathione S-transferase A3; GST class-alpha member 3; S-(hydroxyalkyl)glutathione lyase A3; glutathione S-alkyltransferase A3; glutathione S-aralkyltransferase A3; glutathione S-aryltransferase A3; glutathione S-transferase A3-3
UniProt Protein Name	Glutathione S-transferase A3
UniProt Gene Name	GSTA3
UniProt Entry Name	GSTA3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/gsta3-recombinant-protein-human/71851>