

GST P1-1 active protein

GST P1-1, Recombinant Human

CATALOG #
AAA71845

HOST
Human

PRODUCT SYNONYMS

GST P1-1; Recombinant Human; Recombinant Human GST P1-1; GST P1-1 active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	≥ 95% as assessed by inspection on a Coomassie® Blue-stained SDS-PAGE gel.
Form/Format	50 mM Tris-HCl (pH 7.5), 50 mM NaCl, 1 mM DTT, 1 mM EDTA and 50% glycerol.
Concentration	1.3615 mg/mL total protein using the Bicinchoninic Acid protein assay (Reducing-agent Compatible) with BSA as a standard. (varies by lot)
Host Note	Human recombinant protein expressed in E. coli.
Specific Activity	91.8625 umol/min/mg (U/mg) chloro-2,4-dinitrobenzene (CDNB) conjugation with reduced glutathione (1 mM) in 100 mM Sodium Phosphate (pH 6.5) at room temperature.
Preparation and Storage	Store at -20°C. Ships on dry ice. AVOID MULTIPLE FREEZE-THAW CYCLES.

ADDITIONAL INFORMATION

Related Product Information for GST P1-1 active protein

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.

NCBI AND UNIPROT INFORMATION

Molecular Weight	23 kDa
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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://stage.aaabiotech.com/human-active-protein/gst-p1-1/71845>