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Datasheet for 000-001-200

Glutathione-S-Transferase (GST) Control Protein

Overview

Description:	Glutathione-S-Transferase (GST) Control Protein - 000-001-200
Item No.:	000-001-200
Size:	100 µg
Applications:	SDS-PAGE, WB, Biochemical Assay
Expressed in:	E. coli

Product Details

Background:	Glutathione-S-Transferase (GST) Control Protein will bind to glutathione affinity resin and will be detected by Anti-GST antibody. Affinity tags are appended to proteins thereby allowing them to be purified from their crude biological source using an affinity technique. Common affinity tags include Glutathione-S-Transferase (GST), chitin binding protein (CBP), maltose binding protein (MBP), and the poly-Histidine or HIS-tag.
Synonyms:	control protein, GST protein, GST control, Glutathione-S-Transferase control, Glutathione-S-Transferase protein
Expressed in:	E. coli

Target Details

Purity/Specificity:	Glutathione-S-Transferase (GST) Control Protein was purified by chromatography from E. coli preparations. Assay by immunoelectrophoresis resulted in a single precipitin arc against Anti-GST antibody. Analysis by SDS-PAGE resulted in a pattern consistent with purified GST and an estimated purity greater than 90%.
Relevant Links:	• 000-001-200 SDS

Application Details

Tested Applications:	SDS-PAGE, WB
Suggested Applications:	Biochemical Assay (Based on references)

Application Note:	GST Control Protein is suitable for use as a control in affinity purification and in western blot immunoassays and has been tested in SDS-PAGE and WB. Optimal concentration should be determined by the researcher. Expect a band at ~25.5 kDa.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

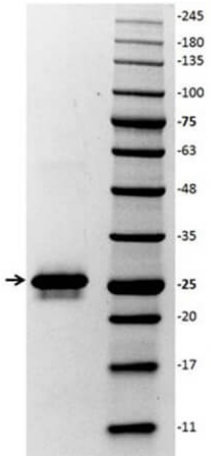
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by BCA assay
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE
SDS-PAGE of Glutathione-S-Transferase (GST) Control Protein Lane 1: Glutathione-S-Transferase (p/n 000-001-200). Lane 2: Opal Prestained Protein Standard 10-245kDa (p/n MB-210-0500). Load: 1 ng per lane. Primary antibody: none. Secondary antibody: none. Predicted/Observed size: 25.5 kDa for Glutathione-S-Transferase monomers. Other band(s): none.

References

- Jagannatha P et al. Large-scale tethered screen of RNA-binding proteins reveals novel regulators of poly(A) site selection. *Mol Cell.* (2026)
- Li YL et al. ApoC1 promotes the metastasis of clear cell renal cell carcinoma via activation of STAT3. *Oncogene.* (2020)

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