Glutathione S-Transferase P (GSTp) Recombinant Protein | GSTp recombinant protein

Purified Glutathione S-Transferase P (GSTp) CHO-S

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76817	**CHO-S Cells**	**CHO, Hamster**	**Western Blot, ELISA**

PRODUCT SYNONYMS

Glutathione S-Transferase P (GSTp); Purified Glutathione S-Transferase P (GSTp) CHO-S; Purified CHO GSTp Protein; GSTp recombinant protein

PRODUCT SPECIFICATIONS

Host	CHO-S Cells
Reactivity	CHO, Hamster
Specificity	The protein is detected by Western blotting using anti-6His and anti-GSTP antibodies. The product concentration is determined using absorbance reading at 280 nm ($A^{0.1\%}_{280}$ value = 1.1) and a Bradford protein assay with a BSA standard curve.
Form/Format	Liquid; PBS buffer, pH 7.2, with non-protein stabilizer
Concentration	0.56 mg/ml (varies by lot)
Sequence Length	210
Applicable Applications for GSTp recombinant protein	WB (Western Blot), ELISA
Physical State	Frozen Liquid
Preservative	0.09% sodium azide
Procedure	Recombinant GSTP (GenBank: AAB39859.1) with a 6xHIS tag was expressed in and purified from CHO-S cells. Under reducing conditions, GSTP is detected at an estimated molecular weight of 25 kDa
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Quality Control Testing	Quality control tested by **Direct ELISA** utilizing the following parameters. Step Action Materials Used 1 Antigen @ 25 ng/well. Incubated 60 minutes. Purified CHO GSTp Protein 2 Block plates for 30 minutes 1% BSA 3 HRP-Conjugated Antibody. Incubated 60 minutes HRP Rabbit anti-6xHIS (RHIS-45P) 4 Develop with TMB. Incubated 10 minutes TMB Substrate 5 Stop Reaction 0.3M H_2SO_4 6 Read plates at A_{450} Microplate Reader set at 450nm
Preparation and Storage	Store at -80°C. Following the initial thaw, please prepare multiple aliquots and store at -80°C. Multiple freeze-thaw cycles are not recommended.

IMAGES

ELISA
Well Number Concentration A450 1 62.5 ng/mL >3.8 2 31.3 ng/mL 3.150 3 15.7 ng/mL 2.084 4 7.9 ng/mL 1.054 5 4.0 ng/mL 0.638 6 2.0 ng/mL 0.282 7 1.0 ng/mL 0.153 8 0.5 ng/mL 0.091 9 0 ng/mL 0.036 QC Release Date: 06-27-2024

ADDITIONAL INFORMATION

Related Product Information for GSTp recombinant protein	Purified recombinant Chinese hamster ovary Glutathione S-Transferase Pi (GSTp) Protein expressed in CHO-S cells. Contains a 6xHIS tag.
Product Categories/Family for GSTp recombinant protein	Protein Standard

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504183
NCBI GeneID	2950
NCBI Accession #	NP_000843.1
NCBI GenBank Nucleotide #	NM_000852.3
UniProt Accession #	P09211
NCBI Official Full Name	glutathione S-transferase P
NCBI Official Synonym Full Names	glutathione S-transferase pi 1
NCBI Official Symbol	GSTP1
NCBI Official Synonym Symbols	PI; DFN7; GST3; GSTP; FAEES3; HEL-S-22
NCBI Protein Information	glutathione S-transferase P
UniProt Protein Name	Glutathione S-transferase P
UniProt Gene Name	**GSTP1**
UniProt Synonym Gene Names	FAEES3; GST3
UniProt Entry Name	GSTP1_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://stage.aaabiotech.com/gstp1-recombinant-protein-cho-s-cells-wb-western-blot-elisa/76817