

Glutathione S Transferase Pi (GSTp) Active Protein | GSTp active protein

Active Glutathione S Transferase Pi (GSTp)

CATALOG # AAA153069	HOST E coli	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

Glutathione S Transferase Pi (GSTp); Active Glutathione S Transferase Pi (GSTp); Glutathione S Transferase Pi; GSTp active protein (prokaryotic); Chinese hamster; GSTP1; GST-P1; DFN7; FAEES3; GST3; GSTp active protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Met1~Gln210
Applicable Applications for GSTp active protein	Activity Assay, Cell Culture
Expression System	Prokaryotic expression
Species	Chinese hamster
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	7.9
Research Area	Enzyme & Kinase
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES

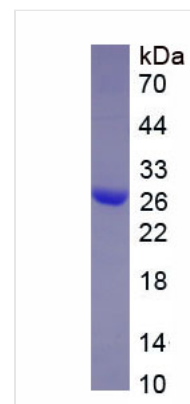
Specific Activity (pmol/min/ug)=

$$\frac{\text{Adjusted } V_{max}^* (\text{OD}/\text{min}) \times \text{well volume (L)} \times 10^{12} \text{ pmol/mol}}{\text{ext. coeff}^{**} (\text{M}^{-1}\text{cm}^{-1}) \times \text{path corr.}^{***} (\text{cm}) \times \text{amount of enzyme (ug)}}$$

*Adjusted for Substrate Blank
**Using the extinction coefficient 9600 M⁻¹cm⁻¹
***Using the path correction 0.32 cm

Bioactivity

GSTp (Glutathione S-transferase P) is an enzyme that plays an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. GSTP1 is identified as a CDK5 (Cyclin dependent kinase-5



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for GSTp active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1170100
UniProt Accession #	P46424
Molecular Weight	26.3
NCBI Official Full Name	Glutathione S-transferase P
UniProt Protein Name	Glutathione S-transferase P
UniProt Gene Name	GSTP1

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/e-coli-active-protein/glutathione-s-transferase-pi-gstp/153069>