

Glutathione S Transferase Pi Active Protein | GSTp active protein

Active Glutathione S Transferase Pi (GSTp)

CATALOG # AAA150106	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Purity/Purification	>97%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Met1~Gln210
Sequence Length	210
Applicable Applications for GSTp active protein	Activity Assay, Cell Culture
Species	Rat
Tag	N-terminal His Tag
Isoelectric Point	7.1
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

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MPPYTIYVFP VRGRCEATRM LLADQGQSMK EEVVTIDVWL QGSLKSTCLY
GQLPKFEDGD LTLYQSNAIL RHLGRSLGLY GKDQKEAALV DMVNDGVEDL
RCKYGTLIYT NYENGKDDYV KALPCHLKPF ETLLSQNQGG KAFIVGNQIS
FADYNLLDLL LVHQVLAPGC LDNFPLLSAY VARLSARPKI KAFLLSPDHL
NRPINGNGKQ

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Application Data

Figure. Gene Sequencing (Extract)

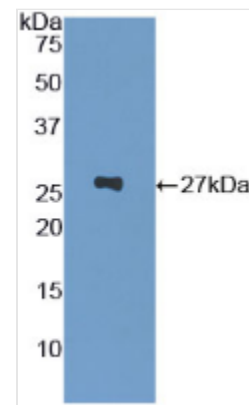
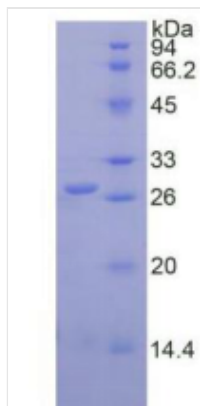

WB (Western Blot)

Figure. Western Blot



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for GSTp active protein	Enzyme & Kinase; Metabolic pathway; Tumor immunity; Hepatology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25453420
NCBI GeneID	24426
NCBI Accession #	NP_036709.1
NCBI GenBank Nucleotide #	NP_036709.1
UniProt Accession #	P04906
Molecular Weight	Predicted Molecular Mass: 24.7kDa Accurate Molecular Mass: 27kDa
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	Gst3; Gstp; GST-P; Gstp2
NCBI Protein Information	glutathione S-transferase P
UniProt Protein Name	Glutathione S-transferase P
UniProt Gene Name	Gstp1
UniProt Entry Name	GSTP1_RAT

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.