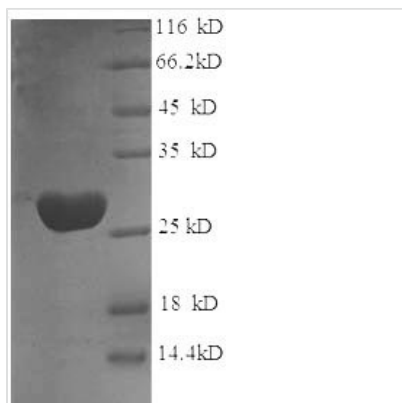




Recombinant Rat Glutathione S-transferase P (Gstp1)

Product Code	CSB-EP009989RA
Relevance	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration .
Abbreviation	Recombinant Rat Gstp1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P04906
Alias	Chain 7GST 7-7GST class-pi
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	PPYTIVYFPVRGRCEATRMLLADQGQSWKEEVVTIDVWLQGSLKSTCLYGQL PKFEDGDLTLYQSNAILRHLGRSLGLYGKDQKEAALVDMVNDGVEDLRCKYG TLIYTNYENGKDDYVKALPGHLKPFETLLSQNQGGKAFIVGNQISFADYNLLDL LLVHQVLAPGCLDNFPLLSAYVARLSARPKIAFLSSPDHLNRPINGNGKQ
Research Area	Others
Source	E.coli
Target Names	Gstp1
Expression Region	2-210aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	27.3kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

We are proud to introduce the Recombinant Rat Glutathione S-transferase P, a vital element in your molecular research. This protein, also known as Chain 7, GST 7-7, or GST class-pi, is encoded by the 'Gstp1' gene in the Rat species. Its multifunctional properties make it essential to an array of physiological processes, including protection against oxidative stress.

Produced in E.coli, our product includes the full length of the mature protein, extending from amino acid 2 to 210. The inclusion of an N-terminal 6xHis tag aids in its easy detection and purification. We ensure that this product is of high quality, having a purity level greater than 90%, as determined by SDS-PAGE. You can select either a liquid form or a lyophilized powder, according to your research needs. With our Recombinant Rat Gstp1, you can confidently proceed with your experiments, knowing you're equipped with reliable reagents.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.