Recombinant Pig Glutathione S-transferase P (GSTP1)

Product Code	CSB-MP009989PI
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P80031
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	≥85% (SDS-PAGE)
Sequence	PPYTITYFPV RGRCEAMRML LADQDQSWKE EVVTMETWPP LKPSCLFRQL PKFQDGDLTL YQSNAILRHL GRSFGLYGKD QKEAALVDMV NDGVEDLRCK YATLIYTNYE AGKEKYVKEL PEHLKPFETL LSQNQGGQAF VVGSQISFAD YNLLDLLRIH QVLNPSCLDA FPLLSAYVAR LSARPKIKAF LASPEHVNRP INGNGKN
Source	Mammalian cell
Target Names	GSTP1
Protein Names	Recommended name: Glutathione S-transferase P EC= 2.5.1.18 Alternative name(s): GST P1-1 GST class-pi
Expression Region	1-207
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases.
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.