

Recombinant Human Glutathione S-transferase omega-1/GSTO-1/SPG-R Protein

Catalog No.: RP01494LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	9446	P78417

Tags

C-His

Synonyms

GSTO 1-1; GSTTLp28; HEL-S-21; P28; SPG-R; GSTO1; GSTO 1-1; GSTO1-1; glutathione S-transferase omega-1; GSTTLp28; HEL-S-21; P28; SPG-R; GSTO1-1

Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

Calculated MW	Observed MW
28.27 kDa	30-35 kDa

Endotoxin

<0.1EU/μg

Formulation

Supplied as a 0.22 μm filtered solution in 20 mM Tris, 150 mM NaCl, 10% glycerol, pH8.0.

Reconstitution

Background

Exhibits glutathione-dependent thiol transferase and dehydroascorbate reductase activities. Has S-(phenacyl)glutathione reductase activity. Has also glutathione S-transferase activity. Participates in the biotransformation of inorganic arsenic and reduces monomethylarsonic acid (MMA) and dimethylarsonic acid.

Basic Information

Description

Recombinant Human Glutathione S-transferase omega-1/GSTO-1/SPG-R Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser2-Leu241) of human GSTO1 (Accession #NP_004823.1) fused with a 6xHis tag at the C-terminus.

Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Human GSTO1 at 1 μg/mL (100 μL/well) can bind GSTO1 Rabbit mAb with a linear range of 0.5-4.33 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized Human Annexin A5 at 10 μg/mL (100 μL/well) can bind Human GSTO1 with a linear range of 0.15-3.16 μg/mL.

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

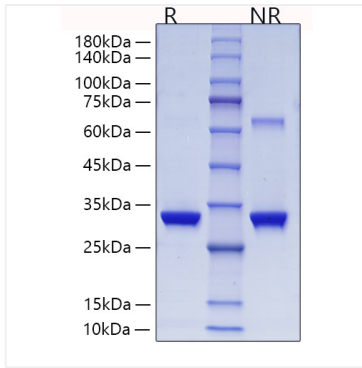
Contact

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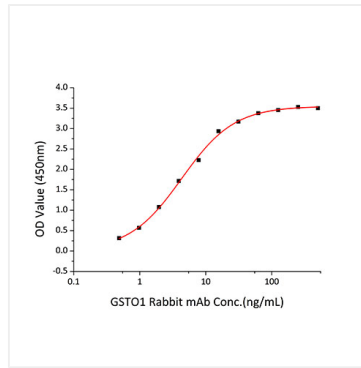
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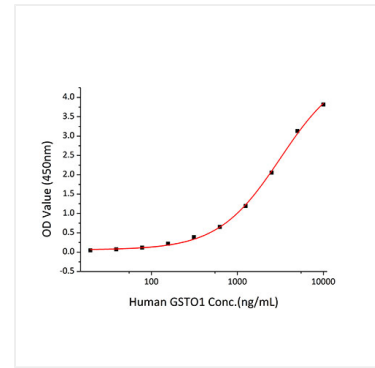
Validation Data



Recombinant Human GSTO-1/SPG-R Protein was resolved with SDS PAGE under reducing (R) and non-reducing (NR) conditions, showing single bands at 30-35 kDa and 60-70 kDa, respectively.



Immobilized recombinant Human GSTO1 at 1 μ g/mL (100 μ L/well) can bind GSTO1 Rabbit mAb with a linear range of 0.5-4.33ng/mL.



Immobilized recombinant Human Annexin A5 at 10 μ g/mL (100 μ L/well) can bind Human GSTO1 with a linear range of 0.15-3.16 μ g/mL.