

GSTO-1/SPG-R recombinant protein

Recombinant Human GSTO-1/SPG-R Protein

CATALOG #
AAA282546

HOST
E coli

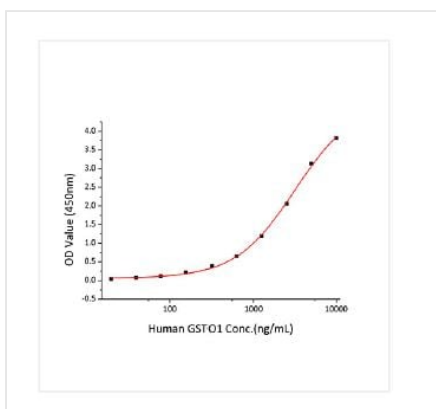
PRODUCT SYNONYMS

GSTO-1/SPG-R; Recombinant Human GSTO-1/SPG-R Protein; GSTO 1-1; GSTTLp28; HEL-S-21; P28; SPG-R; GSTO1; GSTO1-1; glutathione S-transferase omega-1; GSTO-1/SPG-R recombinant protein

PRODUCT SPECIFICATIONS

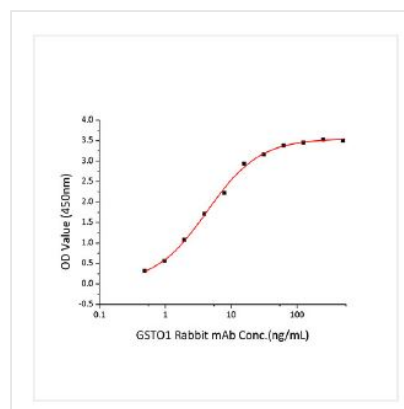
Host	E coli
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Supplied as a 0.22 um filtered solution in 20 mM Tris, 150 mM NaCl, 10% glycerol, pH8.0.
Species	Human
Tag	C-His
Bioactivity	1. Measured by its binding ability in a functional ELISA. Immobilized Human GSTO1 at 1 ug/mL (100 uL/well) 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 ug/mL (100 uL/well) can bind Human GSTO1 with a linear range of 0.15-3.16 ug/mL.
Preparation and Storage	This liquid product is stable at <= ?70 degree 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. Ship: Dry Ice

IMAGES



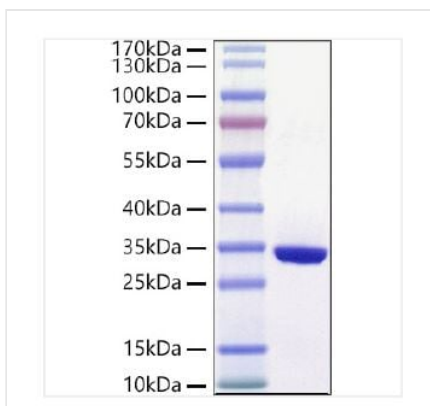
Application Data

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



Application Data

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



SDS-PAGE

Active Recombinant Human GSTO-1/SPG-R Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 30kDa.

ADDITIONAL INFORMATION

Related Product Information for GSTO-1/SPG-R recombinant protein	Recombinant Human GSTO-1/SPG-R Protein is produced by <i>E coli</i> expression system. The target protein is expressed with sequence (Ser2-Leu241) of human GSTO1 (Accession #NP_004823.1) fused with a 6×His tag at the C-terminus.
Product Categories/Family for GSTO-1/SPG-R recombinant protein	Other Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	300360534
NCBI GeneID	9446
NCBI Accession #	NP_001177932.1
NCBI GenBank Nucleotide #	NM_001191003.1
UniProt Accession #	P78417 ; Q5TA03 ; Q7Z3T2 ; D3DRA3 ; F5H7H0
Molecular Weight	27,566 Da
NCBI Official Full Name	glutathione S-transferase omega-1 isoform 3
NCBI Official Synonym Full Names	glutathione S-transferase omega 1
NCBI Official Symbol	GSTO1
NCBI Official Synonym Symbols	P28; SPG-R; GSTO 1-1; GSTTLp28
NCBI Protein Information	glutathione S-transferase omega-1; GSTO-1; MMA(V) reductase; glutathione-S-transferase like; monomethylarsonic acid reductase; S-(Phenacyl)glutathione reductase; glutathione S-transferase omega 1-1; glutathione-dependent dehydroascorbate reductase
UniProt Protein Name	Glutathione S-transferase omega-1
UniProt Gene Name	GSTO1
UniProt Synonym Gene Names	GSTTLp28; GSTO-1; GSTO 1-1; MMA(V) reductase; SPG-R
UniProt Entry Name	GSTO1_HUMAN

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.