

Glutamate Cysteine Ligase Recombinant Protein | GCLM recombinant protein

Recombinant Glutamate Cysteine Ligase, Modifier Subunit (GCLM)

CATALOG # AAA144020	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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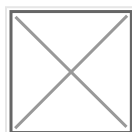
PRODUCT SYNONYMS

Glutamate Cysteine Ligase; Recombinant Glutamate Cysteine Ligase; Modifier Subunit (GCLM); GCLM recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	>95%
Concentration	Original concentration: 200 ug/mL (varies by lot)
Applicable Applications for GCLM recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Ser40~Ser251
Tags	N-terminal His Tag
Traits	Freeze-dried powder
Buffer	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Predicted isoelectric point	4.9
Predicted Molecular Mass	27.6kDa
Accurate Molecular Mass	28kDa as determined by SDS-PAGE reducing conditions.
Usage	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation andprecipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	15236390
NCBI GeneID	828409
NCBI Accession #	NP_194041.1
NCBI GenBank Nucleotide #	NM_118439.3
NCBI Official Full Name	glutamate-cysteine ligase
NCBI Official Symbol	GSH1
NCBI Official Synonym Symbols	ATECS1; CAD2; CADMIUM SENSITIVE 2; F7H19.290; F7H19_290; GAMMA-GLUTAMYL-CYSTEINE SYNTHETASE; GAMMA-GLUTAMYL-CYSTEINE SYNTHETASE; glutamate-cysteine ligase; GLUTAMATE-CYSTEINE LIGASE; GSH1; GSHA; PAD2; PHYTOALEXIN DEFICIENT 2; RML1; ROOT MERISTEMLESS 1
NCBI Protein Information	glutamate-cysteine ligase
UniProt Protein Name	Glutamate--cysteine ligase, chloroplastic
UniProt Gene Name	GSH1
UniProt Synonym Gene Names	CAD2; GCL; PAD2; RML1; GCS; AtGCL
UniProt Entry Name	GSH1_ARATH

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.

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Online datasheet: <https://stage.aaabiotech.com/gsh1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144020>