Recombinant Human Glutamate--cysteine ligase regulatory subunit (GCLM)

Product Code	CSB-MP009322HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P48507
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MGTDSRAAKA LLARARTLHL QTGNLLNWGR LRKKCPSTHS EELHDCIQKT LNEWSSQINP DLVREFPDVL ECTVSHAVEK INPDEREEMK VSAKLFIVES NSSSSTRSAV DMACSVLGVA QLDSVIIASP PIEDGVNLSL EHLQPYWEEL ENLVQSKKIV AIGTSDLDKT QLEQLYQWAQ VKPNSNQVNL ASCCVMPPDL TAFAKQFDIQ LLTHNDPKEL LSEASFQEAL QESIPDIQAH EWVPLWLLRY SVIVKSRGII KSKGYILQAK RRGS
Source	Mammalian cell
Target Names	GCLM
Protein Names	Recommended name: Glutamate--cysteine ligase regulatory subunit Alternative name(s): GCS light chain Gamma-ECS regulatory subunit Gamma-glutamylcysteine synthetase regulatory subunit Glutamate--cysteine ligase modifier subunit
Expression Region	1-274
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	Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase, is the first rate limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. Gamma glutamylcysteine synthetase deficiency has been implicated in some forms of hemolytic anemia.
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.