

## 32-2354: GCLM Recombinant Protein

**Alternative Name :** Glutamate--cysteine ligase regulatory subunit,GCS light chain,Gamma-ECS regulatory subunit,Gamma-glutamylcysteine synthetase regulatory subunit,Glutamate--cysteine ligase modifier subunit,GCLM,GLCLR.

### Description

Source : Escherichia Coli. GCLM Human Recombinant produced in E. coli is a single polypeptide chain containing 298 amino acids (1-274) and having a molecular mass of 33.3kDa.GCLM is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Glutamate-cysteine ligase (GCLM) is the first rate limiting enzyme of glutathione synthesis. The GCLM enzyme is comprised of 2 subunits, a heavy catalytic subunit and a light regulatory subunit. GCLM deficiency is associated with some forms of hemolytic anemia.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The GCLM solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.15M NaCl.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSHMGTDSE AAKALLARAR TLHLQTGNLL NWGRLRKKCP  
STHSEELHDC IQKTLNEWSS QINPDLVREF PDVLECTVSH AVEKINPDER EEMKVS AKLF IVESNSSSST  
RSAVDMACSV LGVAQLDSVI IASPPIEDGV NLSLEHLQPY WEELENLVQS KKIVAIGTSD LDKTQLEQLY  
QWAQVKPNSN QVNLASCCVM PDLTAFKQ FDIQLLTHND PKELLSEASF QEALQESIPD IQAHEWVPLW  
LLRYSVIVKS RGIKSKGYI LQAKRRGS.