

Glutamate-Cysteine Ligase, Modifier Subunit Human Recombinant

Item Number	rAP-1253
Synonyms	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	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.
Uniprot Accession Number	P48507
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHTMGDSR AAKALLARAR TLHLQTGNLL NWGRLRKKCP STHSEELHDC IQKTLNEWSS QINPDLVREF PDVLECTVSH AVEKINPDER EEMKVS AKLF IVESNSSSST RSAVDMACSV LGVAQLDSVI IASPIEDGV NLSLEHLQPY WEELENLVQS KKIVAIGTSD LDKTQLEQLY QWAQVKPNSN QVNLASCCVM PPDLTAFKQ FDIQLLTHND PKELLSEASF QEALQESIPD IQAEHWVPLW LLRYSVIVKS RGIKSKGYI LQAKRRGS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The GCLM solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.15M NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**