

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 : MGSSHHHHH SSGLVPRGSH MGSHTMGDSR AAKALLARAR TLHLQTGNLL NWGRLRKKCP
STHSEELHDC IQKTLNEWSS QINPDLVREF PDVLECTVSH AVEKINPDER EEMKVSALF
IVESNSSST RSAVDMACSV LGVAQLDSVI IASPPIDGV NLSLEHLQPY WEELENLVQS
KKIVAIGTSD LDKTQLEQLY QWAQVKPNSN QVNLASCCVM PPDLTAFKQ FDIQLLTHND
PKELLSEASF QEALQESIPD IQAHEWVPLW LLRYSVIVKS RGIKSKGYI LQAKRRGS.

