

Recombinant Full Length Human GCLM Protein

Cat. No. GCLM-193HF **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant full length Human GCLM with N terminal proprietary tag; Predicted MWt 56.25 kDa including the tag. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 274 amino acids |
| Description | 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. |
| Form | Liquid |
| Molecular Mass | 56.250kDa inclusive of tags |
| AA Sequence | MGTDSTRAAKALLARARTLHLQGTGNLLNWGRLRKKCPSTHS EELHDCIQKTLNEWS SQINPDLVREFPDVLECTVSHAVEK INPDEREEMKVS AKLFIVESNSSSSTRSAVDM ACSVLGVA QLDSVIIASPPIEDGVNLSLEHLQPYWEELENLVQSKKIV AIGTSDLDKT QLEQLYQWAQVKPNSNQVNLASCCVMPPDL TAF AKQFDIQLLTHNDPKELLSGASF QEALQESIPDIQAH EWVPLWLLRYSVIVKSRGIIKSKGYILQAKRRGS |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|--|
| Purity | Proprietary Purification |
| Storage | Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles. |
| Storage Buffer | pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione. |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | GCLM glutamate-cysteine ligase, modifier subunit [Homo sapiens] |
| Official Symbol | GCLM |
| Synonyms | GCLM; glutamate-cysteine ligase, modifier subunit; GLCLR; glutamate--cysteine ligase regulatory subunit; gamma glutamylcysteine synthetase |
| Gene ID | 2730 |
| mRNA Refseq | NM_002061 |
| Protein Refseq | NP_002052 |
| MIM | 601176 |
| UniProt ID | P48507 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA