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	MGTDSRAAKALLARARTLHLQTGNLLNWGRLRKKCPSTHS EELHDCIQKTLNEWS SQINPDLVREFPDVLECTVSHAVEK INPDEREEMKVSAKLFIVESNSSSSTRSAVDM ACSVLGVA QLDSVIIASPPIEDGVNLSLEHLQPYWEELENLVQSKKIV AIGTSDLDKT QLEQLYQWAQVKPNSNQVNLASCCVMPPDL TAFAKQFDIQLLTHNDPKELLSGASF QEALQESIPDIQAH EWVPLWLLRYSVIVKSRGIIKSKGYILQAKRRGS

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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

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