

Recombinant Human GCSH protein, His-tagged

Cat. No. GCSH-450H **Lot. No.** (See product label)

SPECIFICATION

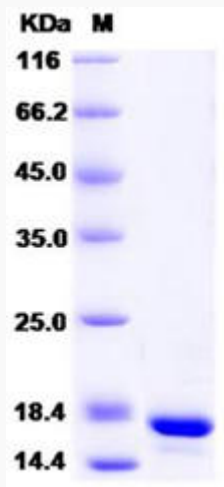
Product Overview	Recombinant Human GCSH protein(AAA36011.1) (Ser49-Glu173) was expressed in E.coli with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	49-173 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Molecular Mass	The recombinant human GCSH consists of 140 amino acids and predicts a molecular mass of 15.7 KDa. It migrates as an approximately 17 KDa band in SDS-PAGE under reducing conditions.
Purity	> 85 % as determined by SDS-PAGE.
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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Gene Name	GCSH glycine cleavage system protein H (aminomethyl carrier) [Homo sapiens]
Official Symbol	GCSH
Synonyms	GCSH; glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system H protein, mitochondrial; lipoic acid containing protein; lipoic acid-containing protein; mitochondrial glycine cleavage system H-protein; GCE; NKH;
Gene ID	2653
mRNA Refseq	NM_004483
Protein Refseq	NP_004474
MIM	238330
UniProt ID	P23434
SDS-PAGE	 The SDS-PAGE gel image displays molecular weight markers on the left and a protein sample on the right. The markers are labeled with their molecular weights in kDa: 116, 66.2, 45.0, 35.0, 25.0, 18.4, and 14.4. The protein sample shows a single prominent band at approximately 18.4 kDa, which corresponds to the expected molecular weight of GCSH.