GCSH Protein, Human (His)

Cat. No.:	HY-P76358
Synonyms:	Glycine cleavage system H protein, mitochondrial; Lipoic acid-containing protein; GCSH
Species:	Human
Source:	E. coli
Accession:	P23434 (S49-E173)
Gene ID:	2653
Molecular Weight:	Approximately 17 kDa.

PROPERTIES

AA Sequence	S V R K F T E K H E W V T T E N G I G T V G I S N F A Q E A L G D V V Y C S L P E V G T K L N K Q D E F G A L E S V K A A S E L Y S P L S G E V T E I N E A L A E N P G L V N K S C Y E D G W L I K M T L S N P S E L D E L M S E E A Y E K Y I K S I E E
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The glycine cleavage system, facilitated by the glycine cleavage system H protein (GCSH), is integral to the degradation of glycine. In this process, GCSH plays a crucial role by efficiently shuttling the methylamine group of glycine from the P protein (GLDC) to the T protein (GCST).

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA