Datasheet

Product Name	Recombinant Chicken Glycine cleavage system H protein, mitochondrial(GCSH)
Catalog Number	**MBS959434**
Expression host	*Mammalian cell*
Product Info	N-terminal 6xHis-tagged
Buffer	Lyophilized from 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. The volume before lyophilization is 20µl/vial.
Storage	Store at -20℃, for extended storage, conserve at -20℃ or -80℃.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.
Relevance	The glycine cleavage system catalyzes the degradation of glycine. The H protein (GCSH) shuttles the methylamine group of glycine from the P protein (GLDC) to the T protein (GCST).
AA sequence	SARKFTDKHEWISVENGIGTVGISNFAQEALGDVVYCSLPEIGTKLNKDDEFGA LESVKAASELYSPLTGEVTDINAALADNPGLVNKSCYQDGWLIKMTVEKPAEL DELMSEDAYEKYIKSIED
References	Chicken liver H-protein, a component of the glycine cleavage system. Amino acid sequence and identification of the N epsilon-lipoyllysine residue. Fujiwara K., Okamura-Ikeda K., Motokawa Y. J. Biol. Chem. 261:8836-8841 (1986)

Certificate of Analysis

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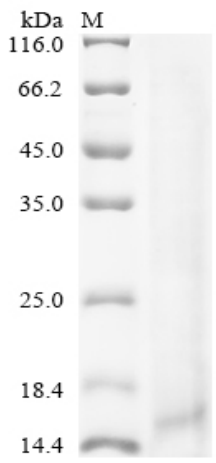
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.	
Batch Number	DA05379a8g0	
Nature	Chicken GCSH-(AA40-164)-**P11183**-Full Length of Mature Protein	
Purification	Affinity purified using IMAC	
Recommended Storage	Short term	2 to 8 ℃, one week from the date of receipt
	Long term	-20 to -80 ℃, twelve months from the date of receipt
Form	Lyophilized powder	
Date of detection	2022.09.23	

Test Items	**Specifications**		**Results**
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		85%
Molecular Weight	Predicted band size: 16.8 kDa		Observed band size: 16 kDa

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	Not done
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass