Recombinant Human GCSH Protein, GST-tagged

Cat. No. GCSH-4809H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GCSH full-length ORF (AAH00790.1, 1 a.a. - 173 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The enzyme system for cleavage of glycine (glycine cleavage system; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase; MIM 238300), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme; MIM 238310), and L protein (a lipoamide dehydrogenase; MIM 238331). Glycine encephalopathy (GCE; MIM 605899), also called nonketotic hyperglycinemia (NKH), may be due to a defect in any one of these enzymes.[supplied by OMIM
Molecular Mass	44.77 kDa
AA Sequence	MALRVVRSVRALLCTLRAVPLPAAPCPPRPWQLGVGAVRTLRTGPALLSVRKFTEK HEWVTTENGIGTVGISNFAQEALGDVVYCSLPEVGTKLNKQDEFGALESVKAASELY SPLSGEVTEINEALAENPGLVNKSCYEDGWLIKMTLSNPSELDELMSEEAYEKYIKSI EE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

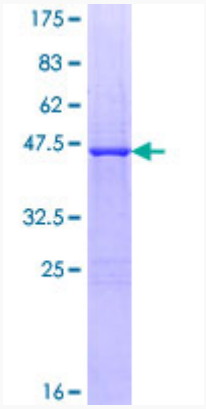
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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