Recombinant Human GCSH

Catalog No: #GP13506

Package Size: #GP13506-1 100ug

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Description

Product Name	Recombinant Human GCSH
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 19-173 amino acids of human GCSH
Target Name	glycine cleavage system protein H
Other Names	GCE; NKH
Accession No.	Swissprot:P23434Gene Accession:BC000790
Uniprot	P23434
GeneID	2653;
Storage	-20~-80°C, pH 7.6 PBS

Background

Degradation of glycine is brought about by the glycine cleavage system, which is composed of four mitochondrial protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase). The protein encoded by this gene is the H protein, which transfers the methylamine group of glycine from the P protein to the T protein. Defects in this gene are a cause of nonketotic hyperglycinemia (NKH). Two transcript variants, one protein-coding and the other probably not protein-coding,have been found for this gene. Also, several transcribed and non-transcribed pseudogenes of this gene exist throughout the genome.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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