

GCSH, 49-173 aa, Human, His tag, E.coli

Cat.NO.: TP02214

3th Edition

Synonyms: Glycine cleavage system protein H (aminomethyl carrier), GCE, NKH.

Description: The enzyme system for cleavage of glycine (glycine cleavage system) is composed of four mitochondrial protein components: P protein, H protein, T protein, and L protein. GCSH is the H protein, which transfers the methylamine group of glycine from the P protein to the T protein.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.

Molecular Weight: 16.4 kDa (149aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSM SVRK FTEKHEWVTTENGIGTVGISNFAQEALGDVVYCSLPEVGTKLNKQD
EFGALESVKAASELYSPLSGEVTEINEALAE NPGLVNKSCYEDGWLIKMTLSNPSELDELMSEEAYEKYIKSIEE

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.