

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:

MGSSHHHHHSSGLVPRGSHMGSM SVRK FTEKHEWVTTENGIGTVGISNFAQEALGDVVYCSLPEVGTKLNKQD
EFGALESVKAASELYSPLSGEVTEINEALAE NPGLV NKSCYEDGWLIKMTLSNPSELDELMSEEAYEKYIKSIEE

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.