

32-3869: GCSH Recombinant Protein

Alternative Name : Glycine cleavage system protein H (aminomethyl carrier), NKH, GCE, Lipoic acid-containing protein, Mitochondrial glycine cleavage system H-protein.

Description

Source : E.coli. GCSH Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 149 amino acids (48-173) and having a molecular mass of 16.4 kDa. GCSH is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. There are four mitochondrial proteins composing the enzyme system for cleavage of glycine (glycine cleavage system): P protein, H protein, T protein, and L protein. GCSH is the H protein. GCSH transfers the methylamine group of glycine from the P protein to the T protein. Mutations in this gene results in nonketotic hyperglycinemia (NKH).

Product Info

Amount : 20 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : The GCSH solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.15M NaCl and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MGSMSVRKFT EKHEWVTTEN GIGTVGISNF AQEALGDVVY
CSLPEVGTKL NKQDEFGALE SVKAASELYS PLSGEVTEIN EALAENPGLV NKSCYEDGWL IKMTLSNPSE
LDELMSEEAY EKYKSIEE