

Recombinant human GCH1 protein, C-His

Catalog Number: bs-42069P

Concentration: >0.5 mg/ml

Species: Human

AA Seq: 1-250/250

Predicted MW: 29

Tags: C-His

Purification: AC

Form: Lyophilized or Liquid

Storage: PBS (pH7.4).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: GTP cyclohydrolase I (also designated dopa-responsive dystonia) catalyzes the conversion of GTP to D-erythro-7,8-dihydroneopterin triphosphate, the first and rate-limiting step in tetrahydrobiopterin (BH4) biosynthesis. Tetrahydrobiopterin is an essential cofactor for 3 aromatic amino acid monooxygenases: phenylalanine, tyrosine, and tryptophan hydroxylases. Animals can synthesize tetrahydrobiopterin in vivo from GTP through several enzymatic reactions.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.