

GCHFR, 1-84aa, Human, His tag, E.coli

Cat.NO.: TP02211

3th Edition

Synonyms:GTP cyclohydrolase I feedback regulatory protein, GFRP, HsT16933, P35

Description:GTP cyclohydrolase I feedback regulatory protein(GCHFR) binds to and mediates tetrahydrobiopterin inhibition of GTP cyclohydrolase I. The regulatory protein, GCHFR, consists of a homodimer. It is postulated that GCHFR may play a role in regulating phenylalanine metabolism in the liver and in the production of biogenic amine neurotransmitters and nitric oxide. Recombinant human GCHFR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1mM DTT

Molecular Weight:12.1 kDa (107aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMPLYLLISTQIRMEVGPTMVGDEQSDPELMQHLGASKRRALGNNFYEYYVDD
PPRIVLDKLERRGFRVLSMTGVGQTLVWCLHKE

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.