

Recombinant Full Length Human GCHFR Protein, GST-tagged

Cat. No. GCHFR-5171HF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human GCHFR full-length ORF (NP_005249.1, 1 a.a. - 84 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| Protein Length | 84 amino acids |
| Description | GTP cyclohydrolase I feedback regulatory protein 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. [provided by RefSeq] |
| Molecular Mass | 36.1 kDa |
| AA Sequence | MPYLLISTQIRMEVGPTMVGDEQSDPELMQHLGASKRRALGNNFYEYYVDDPPRIV LDKLERRGFRVLSMTGVGQTLVWCLHKE |
| Applications | Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array |

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| Notes | Best use within three months from the date of receipt of this protein. |
| Storage | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| GENE INFORMATION | |
| Gene Name | GCHFR GTP cyclohydrolase I feedback regulator [Homo sapiens] |
| Official Symbol | GCHFR |
| Synonyms | GCHFR; GTP cyclohydrolase I feedback regulator; GTP cyclohydrolase I feedback regulatory protein; GTP cyclohydrolase 1 feedback regulatory protein; GFRP; HsT16933; P35; MGC138467; MGC138469; |
| Gene ID | 2644 |
| mRNA Refseq | NM_005258 |
| Protein Refseq | NP_005249 |
| MIM | 602437 |
| UniProt ID | P30047 |

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