

## Product datasheet for **AR51558PU-N**

### GCHFR / GFRP (1-84, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	GCHFR / GFRP (1-84, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPYLLIS TQIRMEVGPT MVGDEQSDPE LMQHLGASKR RALGNNFYEY YVDDPPRIVL DKLERRGFRV LSMTGVGQTL VWCLHKE
Tag:	His-tag
Predicted MW:	12.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GCHFR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_005249</a>
Locus ID:	2644
UniProt ID:	<a href="#">P30047</a>
Cytogenetics:	15q15.1
Synonyms:	GFRP; HsT16933; P35



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**Summary:**

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, Jul 2008]

**Product images:**