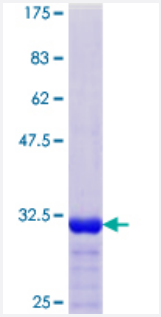
GCHFR (Human) Recombinant Protein (Q01)

Catalog # H00002644-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GCHFR partial ORF (NP_005249.1, 1 a.a. - 84 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPYLLISTQIRMEVGPTMVGDEQSDPELMQHLGASKRRALGNNFYEYYVDDPPRIVLDKLERRGF RVLSMTGVGQTLVWCLHKE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.98
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GCHFR

Entrez GeneID	2644
GeneBank Accession#	NM_005258
Protein Accession#	NP_005249.1
Gene Name	GCHFR
Gene Alias	GFRP, HsT16933, MGC138467, MGC138469, P35
Gene Description	GTP cyclohydrolase I feedback regulator
Omim ID	602437
Gene Ontology	Hyperlink
Gene 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
Other Designations	GTP cyclohydrolase I feedback regulatory protein

Disease

- Autistic Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

- Genetic Predisposition to Disease