

**GCHFR Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18973b****Specification**

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**GCHFR Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P30047](#)

**GCHFR Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 2644

**Other Names**

GTP cyclohydrolase 1 feedback regulatory protein, GFRP, GTP cyclohydrolase I feedback regulatory protein, p35, GCHFR, GFRP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GCHFR Antibody (C-term) Blocking Peptide - Protein Information**

**Name** GCHFR

**Synonyms** GFRP

**Function**

Mediates tetrahydrobiopterin inhibition of GTP cyclohydrolase 1. This inhibition is reversed by L-phenylalanine.

**Cellular Location**

Nucleus. Nucleus membrane. Cytoplasm, cytosol

**Tissue Location**

In epidermis, expressed predominantly in basal undifferentiated keratinocytes and in some but not all melanocytes (at protein level).

**GCHFR Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **GCHFR Antibody (C-term) Blocking Peptide - Images**

### **GCHFR Antibody (C-term) Blocking Peptide - Background**

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.

### **GCHFR Antibody (C-term) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)McHugh, P.C., et al. Pharmacogenomics J. (2010) In press :Li, L., et al. Circ. Res. 106(2):328-336(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Schnetz-Boutaud, N.C., et al. Genes Brain Behav. 8(8):753-757(2009)