
GTP-CH-1 Peptide

Subcategory: Synthetic Peptide, Blocking Peptide

Cat. No.: 350575

Unit: 0.1 mg

Description:

GCH-1 catalyzes the conversion of GTP to D-erythro-7,8-dihydroneopterin triphosphate, the first and rate-limiting step in tetrahydrobiopterin (BH4) biosynthesis. The final product (BH4) is an essential co-factor for three aromatic amino acid monooxygenases (F, Y, and W). Isoform GCH-1 is the functional enzyme.

Format: Each vial contains 0.1 ml peptide in deionized water for a final concentration of 1 mg/ml. Use at 5.6 ug/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: GCH-1; GTP cyclohydrolase I; GTP-CH-1; GTP cyclohydrolase 1

Accession No.: P30793

MW: 1625.8 g/mol

Sequence: The synthetic peptide used to raise the antibody Cat. No. 250680 is selected from a sequence within the N-term region of human GTP-CH-1. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Composition: C72H116N22O21

Purity: Purity > 80% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.