

CEBP gamma/CEBPG Protein, Human (His)

Cat. No.:	HY-P74254
Synonyms:	CCAAT/enhancer-binding protein gamma; C/EBP gamma; CEBPG
Species:	Human
Source:	E. coli
Accession:	P53567 (P39-N147)
Gene ID:	1054
Molecular Weight:	Approximately 16 kDa

PROPERTIES

AA Sequence	<p> P G G G K A V A P S K Q S K K S S P M D R N S D E Y R Q R R E R N N M A V K K S R L K S K Q K A Q D T L Q R V N Q L K E E N E R L E A K I K L L T K E L S V L K D L F L E H A H N L A D N V Q S I S T E N T T A D G D N </p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>CEBP gamma/CEBPG protein functions as a transcription factor, exerting its regulatory influence by binding to both the promoter and enhancer regions of target genes. It specifically binds to the enhancer element PRE-I (positive regulatory element-I) of the IL-4 gene, as well as to the promoter and enhancer regions of the immunoglobulin heavy chain. Additionally, CEBP gamma/CEBPG binds to GPE1, a cis-acting element in the G-CSF gene promoter. Its DNA binding occurs as a dimer, and it has the capacity to form stable heterodimers with CEBPA and CEBPB, underscoring its versatile interaction profile. Furthermore, CEBP gamma/CEBPG interacts with ZNF638, and this interaction contributes to increased transcriptional activation, further highlighting its role in modulating gene expression.</p>
-------------------	---

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA