CEBPG
Recombinant Human CCAAT/enhancer binding protein gamma (aa 39-147) His

Catalog No.	CRC133A	**Quantity:**	10 µg
	CRC133B		50 µg
	CRC133C		1.0 mg

Alternate Names: CCAAT/enhancer-binding protein gamma, C/EBP gamma, CEBPG, GPE1BP, IG/EBP-1

Description: CCAAT/enhancer binding protein(C/EBP) g is a family of transcription factors all contain a highly conserved, basic-leucine zipper domain at the C-terminus that is involved in dimerization and DNA binding. C/EBP family of transcription factors regulates viral and cellular CCAAT/enhancer element-mediated transcription. C/EBP family consist of several related proteins, C/EBP a,b,g,d, that form homodimers and/or form heterodimers with each other. C/EBP proteins contain the bZIP region, which is characterized by two motifs in the C-terminal half of the protein; a basic region involved in DNA binding and a leucine zipper motif involved in dimerization. C/EBP g may cooperate with Fos to bind PRE- enhancer elements.
CEBP-g Recombinant Human His-Tag fusion protein produced in E.Coli is a single, non-glycosylated polypeptide chain containing amino acids 146 (aa 39-147) and having a molecular mass of 16.5 kDa.
The DNA binding domain of CEBP-g was purified by proprietary chromatographic techniques.

Gene ID: 1054

Source: *E. coli*

Molecular Weight: 16.5 kDa

Formulation: Sterile filtered liquid in 20 mM Tris-HCl, pH 7.5 + 0.1 M NaCl + 5 mM β-mercaptoethanol

Purity: > 95% as determined by RP-HPLC and SDS-PAGE analyses

Endotoxin Level: < 0.1 ng/µg of CEBP gamma

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMPGG GGKAVAPSKQ SKKSSPMDRN SDEYRQRRER NNMAVKKSRL KSKQKAQDTL QRVNQLKEEN ERLEAKIKLL TKELSVLKDL FLEHAHNLAD NVQSISTENT TADGDN

Storage & Stability: Store at 2-4°C for up to 4 weeks or in working aliquots at -20°C for longer storage. Add a carrier protein (0.1% HSA or BSA) as a stabilizer for long term storage. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.**

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