



## Product Datasheet

<b>Product Name</b>	CCAAT/enhancer binding protein C/EBP Gamma Recombinant Human
<b>Cata No</b>	CB501054
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	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.

### Physical Appearance

Sterile filtered colorless solution.

### Purity

Greater than 95.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

### Formulation

The protein contains 20mM Tris-HCl pH7.5, 0.1M NaCl and 5mM b-Mercaptoethanol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks.  
Store, frozen at -20°C for longer periods of time.  
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Avoid multiple freeze-thaw cycles.**

### Sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD  
KDRWGSMPGG G GKAVAPSKQ SKKSSPMDRN  
SDEYRQRRER NNMVKK SRL KSKQKAQDTL  
QRVNQLKEEN ERLEAKIKLL TKELSVLKDL  
FLEHAHNLAD NVQSISTENT TADGDN

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