

# Human CEBPG / CEBP gamma Protein (His Tag)

Catalog Number: 14925-H07E



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

GPE1BP; IG/EBP-1

### Protein Construction:

A DNA sequence encoding the human CEBPG (P53567) (Pro39-Asn147) was expressed with a polyhistidine tag at the N-terminus.

**Source:** Human

**Expression Host:** E. coli

## QC Testing

**Purity:** > 90 % as determined by SDS-PAGE

### Endotoxin:

Please contact us for more information.

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** His

### Molecular Mass:

The recombinant human CEBPG consists of 124 amino acids and predicts a molecular mass of 14.1 KDa. It migrates as an approximately 16 KDa band in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile 50mM Tris, 10% glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

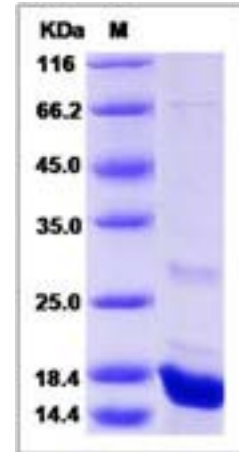
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

CEBPG, also known as CEBP gamma, is a transcription factor which belongs to the CEBP family. Members of this family regulate viral and cellular CCAAT/enhancer element-mediated transcription. CEBP 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. CEBPG binds to the enhancer element PRE-I of the IL-4 gene. It might change the DNA-binding specificity of other transcription factors and recruit them to unusual DNA sites.

## References

- 1.Thomassin H. et al., 1992, Nucleic Acids Res. 20 (12): 3091-8.
- 2.Nishizawa M. et al., 1992, FEBS Lett. 299 (1): 36-8.
- 3.Williams SC. et al., 1991, Genes Dev. 5 (9): 1553-67.

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