ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat # RP-1586 Recombinant Human CCAAT/enhancer binding protein(C/EBP) Alpha **Size**: 10 ug

CCAAT/enhancer binding protein(C/EBP) a is a family of transcription factors that 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 that 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.

SOURCE:

CEBP-a Human Recombinant His-Tag fusion protein produced in E.Coli is a single, non-glycosylated polypeptide chain containing amino acids 126 (aa 270-358) and having a molecular mass of 14.5 kDa. The protein contains 20mM Tris-HCl pH7.5, 0.1M NaCl and 5mM b-Mercaptoethanol.

APPLICATION AND SUGGESTED DILUTIONS:

Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

STORAGE & STABILITY:

Store at 4℃ if entire vial will be used within 2-4 weeks. Store, frozen at -20℃ for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4ºC for ~ 1week or aliquots in suitable size and store at -20ºC for long term storage.

USAGE:

This item is for LABORATORY RESEARCH USE ONLY.

RP-1586 120507P

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