Recombinant Human EBP1 Protein

Catalog No.: RP03200

Sequence Information

Species	Gene ID
Human	5036
Swiss Prot	**Tags**
Q9UQ80	N-His

Synonyms
EBP1; HG4-1; p38-2G4; PA2G4

Product Information

Source	Purification
E.coli	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
45.2 kDa	45-50 kDa

Endotoxin
Please contact us for more information.

Formulation
Lyophilized from sterile 20 mM Tris, 0.5 M NaCl, pH 8.0. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

EBP1, also known as PA2G4, is an RNA-binding protein that belongs to the peptidase M24 family. It can be detected n several cell lines tested, including primary and transformed cell lines. EBP1 also present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing. This protein is a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. PA2G4 can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. EBP1 has been implicated in growth inhibition and the induction of differentiation of human cancer cells. It seems to be involved in growth regulation. EBP1 also mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site).

Basic Information

Description
Recombinant Human EBP1 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Ser2-Asp394) of human EBP1 (Accession #Q9UQ80) fused with His tag at the N-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

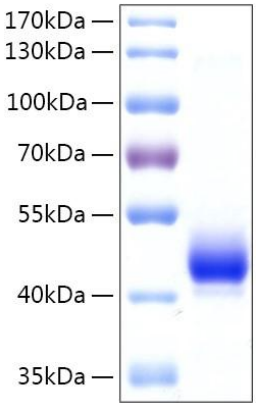
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
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Validation Data



Recombinant Human EBP1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.