

Recombinant Human IκB-alpha/NFKBIA Protein

Catalog No.: RP00032 **Recombinant** **1 Publications**

Sequence Information

Species	Gene ID	Swiss Prot
Human	4792	P25963

Tags

No tag

Synonyms

IKBA; MAD-3;
NFKBI;NFKBIA;MAD-3;NFKBI;IKB
alpha;EDAID2; IKBA; NFKB inhibitor alpha

Product Information

Source	Purification
<i>E. coli</i>	> 90% by SDS-PAGE.

Calculated MW	Observed MW
35.48 kDa	38 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

This protein is a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease.

Basic Information

Description

Recombinant Human IκB-alpha/NFKBIA Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Phe2-Leu317) of human IκB-alpha (Accession #NP_065390.1).

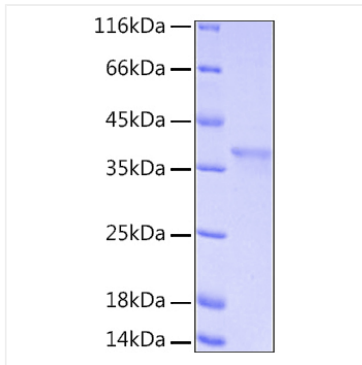
Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human IκB-alpha Protein at 2 μg/mL (100 μL/well) can bind IκBα Rabbit mAb with a linear range of 0.195-0.64 ng/mL.

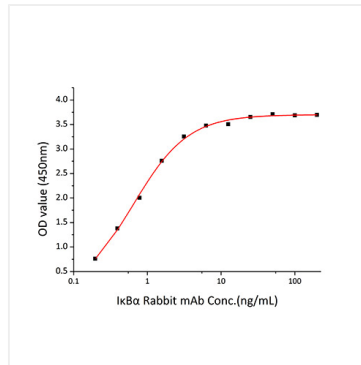
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human IκB-alpha/NFKBIA Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 38 kDa.



Immobilized Human IκB-alpha Protein at 2 μg/mL (100 μL/well) can bind IκBα Rabbit mAb with a linear range of 0.195-0.64 ng/mL.