Recombinant Human IkB-alpha/NFKBIA Protein

Catalog No.: RP00032

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Sequence Information

Species
Human

Gene ID
4792

Swiss Prot
P25963

Tags
No tag

Synonyms
IKBA, MAD-3, NFKBI,NFKBIA,MAD-3,NFKBI,IKB alpha,EDAID2, IKBA, NFKB inhibitor alpha

Product Information

Source
E. coli

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
35.48 kDa

Observed MW
35-45 kDa

Endotoxin
< 1 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 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

This protein is a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The protein is 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 IkB-alpha/NFKBIA Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Phe2-Leu317) of human IkB-alpha (Accession #NP_065390.1).

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human IkB-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.

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℃

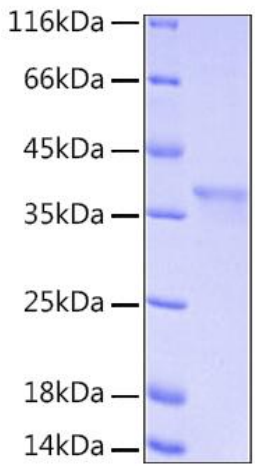
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

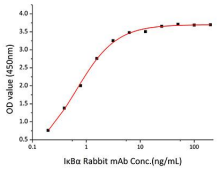
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Validation Data



Recombinant Human IkB-alpha/NFKBIA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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