

Recombinant human I κ B-beta protein

Catalog Number: ATGP1428

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-356aa

UniProt No.

Q15653

NCBI Accession No.

NP_002494

Alternative Names

NF-kappa-B inhibitor beta, IKBB, TRIP9

PRODUCT SPECIFICATION

Molecular Weight

40.3 kDa (380aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NFKBIB, also known as NF-kappa-B inhibitor beta, belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. Phosphorylation of serine residues on these proteins by kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B, which translocates to the nucleus to function as a transcription factor. Recombinant human NFKBIB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

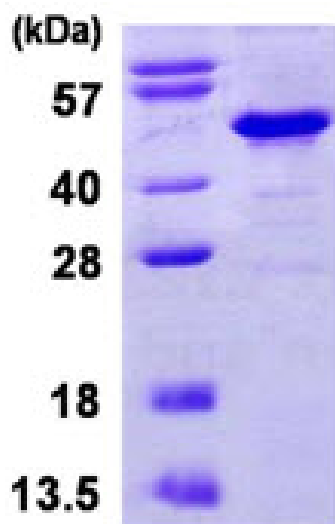
MGSSHHHHHH SSGLVPRGSH MGSHMAGVAC LGKAADADEW CDSGLGSLGP DAAAPGGPGL GAELGPGLSW
APLVFGYVTE DGDTALHLAV IHQHEPFLDF LLGFSAGTEY MDLQNDLGQT ALHLAAILGE TSTVEKLYAA GAGLCVAERR
GHTALHLACR VGAHACARAL LQPRRRPRE APDTYLAQGP DRTPDTNHTP VALYPDSLE KEEEEESEEDW KLQLEAENYE
GHTPLHVAVI HKDVEMVRLR RDAGADLDKP EPTCGRSPLH LAVEAQAADV LELLLRAGAN PAARMYGGRT PLGSAMLRPN
PILARLLRAH GAPEPEGEDE KSGPCSSSSD SDSGDEGDEY DDIVVHSSRS QTRLPPTPAS KPLPDDPRPV

General References

Fenwick C., et al. (2000) Science. 287:869-873
DiDonato J.A., et al. (1996) Mol. Cell. Biol. 16:1295-1304

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 μ g)