Datasheet for ABIN7319855

NFKB1 Protein (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	NFKB1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFKB1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human NFKB1 (N-6His)
Sequence:	Met1-Gly434
Characteristics:	Recombinant Human Nuclear Factor NF-kappa-B P50 Subunit is produced by our E.coli expression system and the target gene encoding Met1-Gly434 is expressed with a 6His tag at the N-terminus.
Purity:	>90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NFKB1
Alternative Name:	NFKB1 (NFKB1 Products)
Background:	Background: The 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular

Target Details

	stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene. Synonym: DNA-binding factor KBF1, EBP-1, Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
Molecular Weight:	49.7 kDa
Pathways:	p53 Signaling, NF-kappaB Signaling, RTK Signaling, TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Myometrial Relaxation and Contraction, Regulation of Carbohydrate Metabolic Process, Hepatitis C, Toll-Like Receptors Cascades, BCR Signaling, S100 Proteins

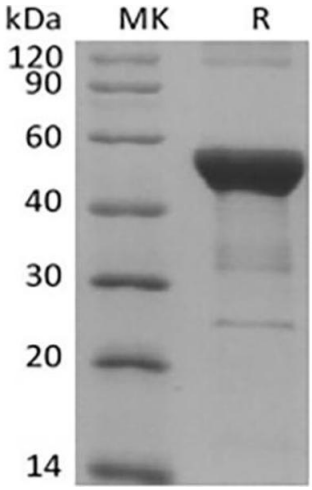
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 20 mM GSH, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.