Recombinant Human NFKB1 (N-6His)

Catalog Number: PKSH033954

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*
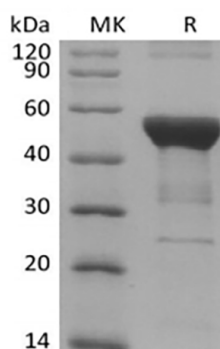
Description

Species	Human
Source	E.coli-derived Human NFKB1 protein Met1-Gly434, with an N-terminal His
Calculated MW	49.7 kDa
Observed MW	45-55 kDa
Accession	P19838-2
Bio-activity	Not validated for activity

Properties

Purity	＞90％ as determined by reducing SDS-PAGE.
Endotoxin	＜1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at ＜-20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20mM GSH, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data

＞90％ as determined by reducing SDS-PAGE.

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 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.

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