

Recombinant Human NFKB2, GST-tagged

Cat. No. NFKB2-7052H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human NFKB2 (1-454) was expressed in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-454 aa
Description	<p>NFKB2 is a part of the NFKB complex that is present in various cell types that express cytokines, chemokines, growth factors, cell adhesion molecules, and some acute phase proteins in health and disease states. NFKB protein is activated by a wide variety of stimuli such as cytokines, oxidant-free radicals, inhaled particles, ultraviolet irradiation, and bacterial or viral products. Inappropriate activation of NFKB has been linked to inflammatory events associated with autoimmune arthritis, asthma, septic shock, lung fibrosis, glomerulonephritis, atherosclerosis, and AIDS.</p> <p>Overexpression of NFKB2 protects androgen sensitive LNCaP cells from apoptotic cell death and cell cycle arrest induced by androgen-deprivation.</p>
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~84 kDa
Purity	>75%

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Applications	Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.2 µg/µl
GENE INFORMATION	
Gene Name	NFKB2 nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) [Homo sapiens]
Official Symbol	NFKB2
Synonyms	NFKB2; nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100); nuclear factor NF-kappa-B p100 subunit; LYT 10; NF kB2; p52; p105; oncogene Lyt-10; DNA-binding factor KBF2; lymphocyte translocation chromosome 10 protein; nuclear factor of kappa light chain gene enhancer in B-cells 2; H2TF1; LYT10; LYT-10; NF-kB2;
Gene ID	4791
mRNA Refseq	NM_001077493
Protein Refseq	NP_001070961
MIM	164012
UniProt ID	Q00653
Chromosome	10q24

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Location**Pathway**

Activated TLR4 signalling, organism-specific biosystem; Alternative NF-kappaB pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Folate Metabolism, organism-specific biosystem; HTLV-I infection, organism-specific biosystem;

Function

DNA binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity;

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