

Product Information

NFκB2 (1-454), GST-tagged, human recombinant, expressed in Sf9 insect cells

Catalog Number **SRP5105**

Storage Temperature -70°C

Synonyms: NFκB2-p52, NκKB2-p100, LYT10, LYT-10

Product Description

NFκB2 is a part of the NFκB 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. NFκB protein is activated by a wide variety of stimuli such as cytokines, oxidant-free radicals, inhaled particles, ultraviolet irradiation, and bacterial or viral products.¹ Inappropriate activation of NFκB has been linked to inflammatory events associated with autoimmune arthritis, asthma, septic shock, lung fibrosis, glomerulonephritis, atherosclerosis, and AIDS.² Overexpression of NFκB2 protects androgen sensitive LNCaP cells from apoptotic cell death and cell cycle arrest induced by androgen-deprivation.

Recombinant human NFκB2 (1-454) was expressed in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002502. Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~84 kDa

Purity: 70–95% (SDS-PAGE, see Figure 1)

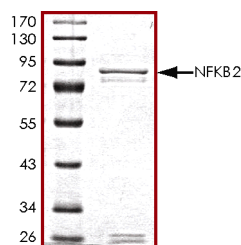
Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at -70°C is recommended. After opening, aliquot into smaller quantities and store at -70°C . Avoid repeated handling and multiple freeze/thaw cycles.

Figure 1.
SDS-PAGE Gel of Typical Lot
70–95% (densitometry)



References

1. Zhu, M. et al., NF-kappa-B2 is required for the establishment of central tolerance through an Aire-dependent pathway. *J. Clin. Invest.*, **116**, 2964–2971 (2006).
2. Tucker, E. et al., A novel mutation in the Nfkb2 gene generates an NF-kappa-B2 'super repressor'. *J. Immunol.*, **179**, 7514–7522, (2007).

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