

Recombinant Mouse Nfkb1 Protein, Myc/DDK-tagged

Cat. No. Nfkb1-4396M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of mouse full-length nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105 (Nfkb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.

Species Mouse

Source HEK293

Description Component of the NF-kappa-B p65-p50 complex. Component of the NF-kappa-B p65-p50 complex. Homodimer; component of the NF-kappa-B p50-p50 complex. Component of the NF-kappa-B p105-p50 complex. Component of the NF-kappa-B p50-c-Rel complex. Component of a complex consisting of the NF-kappa-B p50-p50 homodimer and BCL3. Also interacts with MAP3K8. NF-kappa-B p50 subunit interacts with NCOA3 coactivator, which may coactivate NF-kappa-B dependent expression via its histone acetyltransferase activity. Interacts with DSIPI1; this interaction prevents nuclear translocation and DNA-binding. Interacts with SPAG9 and UNC5CL. NFKB1/p105 interacts with CFLAR; the interaction inhibits p105 processing into p50. NFKB1/p105 forms a ternary complex with MAP3K8 and TNIP2. Interacts with GSK3B; the interaction prevents processing of p105 to p50. NFKB1/p50 interacts with NFKBIE. NFKB1/p50 interacts with NFKBIZ. Nuclear factor NF-kappa-B p50 subunit interacts with NFKBID. Directly interacts with MEN1. Interacts with HIF1AN.

Molecular Mass 105.6 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Nfkb1 nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105 [Mus musculus (house mouse)]
Official Symbol	Nfkb1
Synonyms	NFKB1; nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105; nuclear factor NF-kappa-B p105 subunit; EBP-1; NF kappaB1; NF-kappaB p50; DNA-binding factor KBF1; p50 subunit of NF kappaB; p50 subunit of NF-kappaB; nuclear factor kappaB p50; nuclear factor-kappaB p50; NF-kappa-B1 p84/NF-kappa-B1 p98; nuclear factor of kappa light chain gene enhancer in B-cells 1, p105; nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105; p50; p105; NF-KB1; p50/p105; NF-kappaB; NF-kappaB1
Gene ID	18033
mRNA Refseq	NM_008689
Protein Refseq	NP_032715

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UniProt ID

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