

Recombinant Full Length Human RELB, His-tagged

Cat. No. RELB-1487H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human Rel B was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. MW = 68 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	1-579 a.a.
Description	Rel B is part of the NFκB complex and forms heterodimeric complexes with p50 (NFκB1) and p52 (NFκB2). The homodimeric complexes of Rel B alone do not show DNA-binding activity. IHC analysis has shown that Rel B expression correlated with dendritic cell activation. NFκB-inducing kinase NIK is required for osteoclastogenesis in response to pathologic stimuli and overexpression of Rel B rescues differentiation of mouse NIK -/- osteoclast precursors. Rel B is required for RANKL-induced osteoclastogenesis in vitro and for TNF -induced bone resorption in vivo. This indicates that the alternative NFκB pathway, via Rel B, plays an essential and unique role in RANKL signaling toward osteoclast development.
Sequence	Full-length.
Applications	Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities

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after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

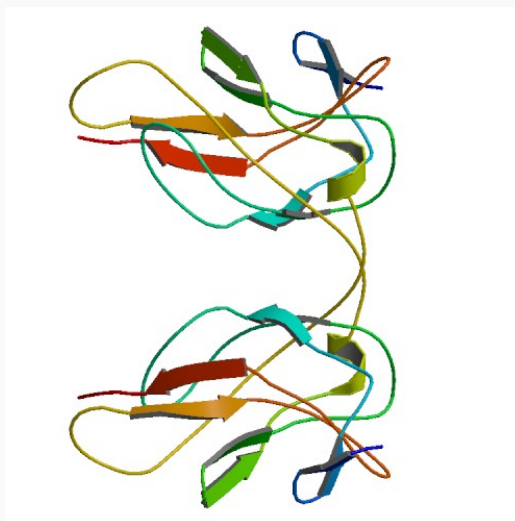
Gene Name	RELB v-rel reticuloendotheliosis viral oncogene homolog B [Homo sapiens]
Synonyms	RELB; v-rel reticuloendotheliosis viral oncogene homolog B; IREL; I-REL; REL-B; v-rel reticuloendotheliosis viral oncogene homolog B, nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; v-rel avian reticuloendotheliosis viral oncogene homolog B (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3); Transcription factor RelB; I-Rel; reticuloendotheliosis viral oncogene homolog B
Gene ID	5971
mRNA Refseq	NM_006509
Protein Refseq	NP_006500
MIM	604758
UniProt ID	Q01201
Chromosome Location	19q13.32
Pathway	MAPK signaling pathway
Function	protein binding; transcription corepressor activity; transcription factor activity

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PDB rendering based
on 1zk9.



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