

## Recombinant Full Length Human RELB, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human Rel B was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. MW = 68 kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Protein Length</b>	1-579 a.a.
<b>Description</b>	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.
<b>Sequence</b>	Full-length.
<b>Applications</b>	Western Blot.
<b>Storage And Stability</b>	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

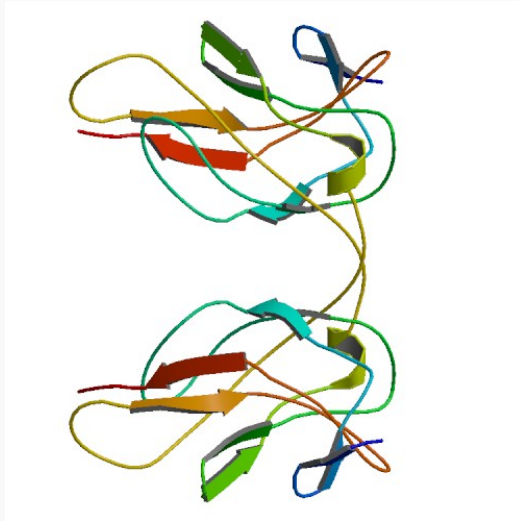
<b>Gene Name</b>	RELB v-rel reticuloendotheliosis viral oncogene homolog B [ Homo sapiens ]
<b>Synonyms</b>	RELB; v-rel reticuloendotheliosis viral oncogene homolog B; IREL; I-REL; REL-B; v-rel reticuloendotheliosis viral oncogene homolog B, nuclear factor of kappa light polypeptide gene enhancer in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

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on 1zk9.



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