

Datasheet for 009-001-T18S**Rel B protein-HIS Epitope****Overview**

Description:	Rel B recombinant protein-HIS Epitope - 009-001-T18S
Item No.:	009-001-T18S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	Rel B is part of the NFκB complex and forms heterodimeric complexes with p50 (NFκB1) and p52 (NFκB2) (1). 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 (2). Rel B Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Apoptosis/Autophagy, Cancer, Inflammation, Neurobiology, and NFκB Pathway research.
Synonyms:	IREL, I-REL, Transcription factor RelB
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	RELB
Purity/Specificity:	Recombinant full-length human Rel B was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. The purity was determined to be >85% by densitometry.
Relevant Links:	• NCBI - NM_006509

Application Details

Application Note:	Rel B Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. Rel B Protein is suitable for use in Western Blot. Expect a band approximately ~68kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

