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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RELA (Human) Recombinant Protein (P02)

Catalog Number: H00005970-P02

Regulation Status: For research use only (RUO)

Product Description: Human RELA full-length ORF (AAH11603.1, 1 a.a. - 220 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MDELFLIFPAEPAQASGPYVEIIEQPKQRGMFRFYKC
EGRSAGSIPGERSTDTTKHTPTIKINGYTGPGTVRISLV
TKDPPHRPHPELVGKDCRDGFYEALCPDRCIHSFQ
NLGIQCVKKRDLEQAISQRIQTNNNPFQVPIEEQRGDY
DLNAVRLCFQVTVRDPGRPLRPPVLSHPIFDNRAPN
TAEKICRVNRNSGSLGGDEIFLLCDKVQ

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 51.2

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5970

Gene Symbol: RELA

Gene Alias: MGC131774, NFKB3, p65

Gene Summary: NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB

(MIM 604758) to form the NFKB complex. The p50 (NFKB1)/p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008 or NFKBIB, MIM 604495), which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFKB complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM]

References:

1. 8-oxoguanine DNA glycosylase-1 augments proinflammatory gene expression by facilitating the recruitment of site-specific transcription factors. Ba X, Bacsí A, Luo J, Aguilera-Aguirre L, Zeng X, Radak Z, Brasier AR, Boldogh I J Immunol. 2014 Mar 1;192(5):2384-94. doi: 10.4049/jimmunol.1302472. Epub 2014 Jan 31.