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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RAG2 (Human) Recombinant Protein (P01)

Catalog Number: H00005897-P01

Regulation Status: For research use only (RUO)

Product Description: Human RAG2 full-length ORF (NP_000527.1, 1 a.a. - 527 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSLQMVTVSNNIALIQPGFSLMNF DGQVFFF GQKGWP
KRSCPTGVFHL DVKHNHV K LKPTIFSKDSCYLPPLRYP
ATCTFKGSLESEKHQYIIHG G KTPNNEVSDKIYVMSIVC
KNNKKVTFRC TEKDLVGDVPEARYGHSINVVYSRGKS
MGALFGGRSYMPSTHRTTEK WNSVADCLPCVFLVDF
EFGCATSYILPELQDGLSFHVSIAKNDTIYILGGHSLAN
NIRPANLYRIRVDLPLGSPAVNCTVLPGGISVSSAILTQ
TNNDEFVIVGGYQLENQKRMICNIISLEDNKIEIREMET
PDWTPDIKHSKIWFGSNTGNGTVFLGIPGDNKQVVSE
GFYFYMLKCAEDDTNEEQTTFTNSQTSTEDPGDSTPF
EDSEEFCSAEANSFDGDDEFD TYNEDDEEDES ETGY
WITCCPTCDVDINTWVPFYSTELNKPAMIYCSHGDGH
WVHAQCMDLAERTLIHLSAGSNKYCNEHVEIARALH
TPQRVLP LKKPPMKSLRKKGSGKILTPAKKSFLRRLFD

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 85.6

Interspecies Antigen Sequence: Mouse (88); Rat (89)

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: 5897

Gene Symbol: RAG2

Gene Alias: RAG-2

Gene Summary: This gene encodes a protein that is involved in the initiation of V(D)J recombination during B and T cell development. This protein forms a complex with the product of the adjacent recombination activating gene 1, and this complex can form double-strand breaks by cleaving DNA at conserved recombination signal sequences. The recombination activating gene 1 component is thought to contain most of the catalytic activity, while the N-terminal of the recombination activating gene 2 component is thought to form a six-bladed propeller in the active core that serves as a binding scaffold for the tight association of the complex with DNA. A C-terminal plant homeodomain finger-like motif in this protein is necessary for interactions with chromatin components, specifically with histone H3 that is trimethylated at lysine 4. Mutations in this gene cause Omenn syndrome, a form of severe combined immunodeficiency associated with autoimmune-like symptoms. [provided by RefSeq]