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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CXCR3 (Human) Recombinant Protein (P01)

Catalog Number: H00002833-P01

Regulation Status: For research use only (RUO)

Product Description: Human CXCR3 full-length ORF (NP_001495.1, 1 a.a. - 368 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MVLEVSDHQVLNDAEVAALLENFSSSYDYGENESDSC
CTSPPCPQDFSLNFDRAFLPALYSLLFLLGLLGNGAVA
AVLLSRRTALSSTDTFLLHLAVADTLLVLTLPLWAVDAA
VQWVFGSGLCKVAGALFNINFYAGALLLACISFDRYLNI
VHATQLYRRGPPARVTLTCLAVWGLCLLFALPDFIFLS
AHHDERLNATHCQYNFPQVGRTALRVLQLVAGFLLPL
LVMAYCYAHILAVLLVSRGQRRLRAMRLVVVVVVAFAL
CWTPYHLVVLVDILMDLGALARNCGRESRVDVAKSVT
SGLGYMHCCLNPLLYAFVGVKFRERMWMLLLRLGCP
NQRGLQRQPSSSRRDSSWSETSEASYSGL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 67.1

Interspecies Antigen Sequence: Mouse (86); Rat (86)

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: 2833

Gene Symbol: CXCR3

Gene Alias: CD182, CD183, CKR-L2, CMKAR3, GPR9, IP10-R, Mig-R, MigR

Gene Summary: This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed IP10 (interferon-g-inducible 10 kDa protein), Mig (monokine induced by interferon-g) and I-TAC (interferon-inducible T cell a-chemoattractant). IP10, Mig and I-TAC belong to the structural subfamily of CXC chemokines, in which a single amino acid residue separates the first two of four highly conserved Cys residues. Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. Inhibition by Bordetella pertussis toxin suggests that heterotrimeric G protein of the Gi-subclass couple to this protein. Signal transduction has not been further analyzed but may include the same enzymes that were identified in the signaling cascade induced by other chemokine receptors. As a consequence of chemokine-induced cellular desensitization (phosphorylation-dependent receptor internalization), cellular responses are typically rapid and short in duration. Cellular responsiveness is restored after dephosphorylation of intracellular receptors and subsequent recycling to the cell surface. This gene is prominently expressed in in vitro cultured effector/memory T cells, and in T cells present in many types of inflamed tissues. In addition, IP10, Mig and I-TAC are commonly produced by local cells in inflammatory lesion, suggesting that this gene and its chemokines participate in the recruitment of inflammatory cells. Therefore, this protein is a target for the development of small molecular weight antagonists, which may be used in the treatment of diverse inflammatory diseases. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]