Recombinant Rat Cxcr3 Protein, His-tagged

Cat. No. Cxcr3-888R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cxcr3 Protein (Met1-Pro56+Asp111-Val125+Ser190-Gly222+Asp277-Ser300) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Pro56+Asp111-Val125+Ser190-Gly222+Asp277-Ser300
Description	Enables C-X-C chemokine receptor activity. Involved in T cell chemotaxis; calcium-mediated signaling; and positive regulation of cytosolic calcium ion concentration. Located in external side of plasma membrane. Used to study dilated cardiomyopathy; high grade glioma; myocarditis; and renovascular hypertension. Biomarker of middle cerebral artery infarction. Human ortholog(s) of this gene implicated in asthma. Orthologous to human CXCR3 (C-X-C motif chemokine receptor 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.9 kDa; Accurate Molecular Mass: 20 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Cxcr3 chemokine (C-X-C motif) receptor 3 [Rattus norvegicus]
Official Symbol	Cxcr3
Synonyms	CXCR3; chemokine (C-X-C motif) receptor 3; C-X-C chemokine receptor type 3; CXC-R3; CXCR-3; IP-10 receptor; G protein-coupled receptor 9; interferon-inducible protein 10 receptor; Gpr9;
Gene ID	84475
mRNA Refseq	NM_053415
Protein Refseq	NP_445867
UniProt ID	Q9JII9

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