

Active Recombinant Rat Chemokine (C-C motif) Ligand 20

Cat. No. Ccl20-409R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rat Ccl20 protein was expressed in E. coli. Ala26-Met96.
Species	Rat
Source	E.coli
Protein Length	26-96 a.a.
Description	Ccl20, also known as MIP3 α , LARC (Liver and Activation regulated Chemokine) and as Exodus, is one of many novel β chemokines identified through bioinformatics. Rat Ccl20 cDNA encodes a 96 amino acid (aa) precursor protein with a 25 aa putative signal peptide that is predicted to be cleaved to form the 71 aa mature secreted protein.
Form	Lyophilized from a 0.2 μ m filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
N-terminal Sequence	Ala26
Molecular Weight	8.2 kDa
Activity	Measured by its ability to chemoattract human CCR6 transfected BaF3 mouse pro-B cells. The ED50 for this effect is typically 0.5-3 μ g/mL.
Endotoxin Level	<1.0 EU per 1 μ g of the protein by the LAL method.

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Purity	>97%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 200µg/mL in sterile PBS that containing at least 0.1% human or bovine serumalbumin.
Storage	Use amannual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month,2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions afterreconstitution.

GENE INFORMATION

Gene Name	Ccl20 chemokine (C-C motif)ligand 20 [Rattus norvegicus]
Official Symbol	Ccl20
Synonyms	Ccl20; chemokine(C-C motif) ligand 20; ST38; Scya20; MIP-3-alpha; CCchemokine LARC; CC chemokine ST38; beta chemokine exodus-1; small-induciblecytokine A20; macrophage inflammatory protein 3 alpha; liver andactivation-regulated chemokine; beta-chemokine exodus-1; small induciblecytokine subfamily A20; C-C motif chemokine 20
Gene ID	29538
mRNA Refseq	NM_019233
Protein Refseq	NP_062106
UniProt ID	P97884
Chromosome Location	9q34

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Pathway

Chemokine receptors bind chemokines; Chemokinesignaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokinereceptor interaction; G alpha (i) signalling events; GPCR downstreamsignaling; GPCR ligand binding; Peptide ligand-binding receptors; Rheumatoidarthritis; Signal Transduction; Signaling by GPCR

Function

chemokine activity; cytokine activity

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