

Recombinant Mouse Cxcr2 Protein, His-tagged

Cat. No. Cxcr2-2168M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cxcr2 Protein (Met1-Asp80) with a N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Asp80
Description	Enables chemokine receptor activity. Acts upstream of or within negative regulation of apoptotic process. Predicted to be located in several cellular components, including cell surface; mast cell granule; and mitotic spindle. Predicted to be active in external side of plasma membrane. Is expressed in several structures, including alimentary system; central nervous system; embryo mesenchyme; epithelium; and heart. Human ortholog(s) of this gene implicated in IgA glomerulonephritis; acute pyelonephritis; end stage renal disease; and urinary bladder cancer. Orthologous to human CXCR2 (C-X-C motif chemokine receptor 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 12.9 kDa Accurate Molecular Mass: 15 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Cxcr2 chemokine (C-X-C motif) receptor 2 [Mus musculus (house mouse)]
Official Symbol	Cxcr2
Synonyms	Cxcr2; chemokine (C-X-C motif) receptor 2; CD128; IL8RA; Il8rb; CDw128; Cmkar2; Gpcr16; IL-8Rh; IL-8rb; mIL-8RH; C-X-C chemokine receptor type 2 CXC-R2 CXCR-2 GRO/MGSA receptor IL-8 receptor alpha chain IL-8R B chemokine (C-X-C) receptor 2

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high affinity interleukin-8 receptor B
interleukin 8 receptor, beta
interleukin-8 receptor type B

Gene ID 12765

mRNA Refseq NM_009909

Protein Refseq NP_034039

UniProt ID P35343

