

Cxcl3

Recombinant Rat CXCL3/CINC-2 beta

Catalog No.	CRG507A CRG507B CRG507C	Quantity:	2 µg 10 µg 1 mg
Alternate Names:	Cinc-2, Cinc2, Gm1960, Cytokine-induced neutrophil chemoattractant-2		
Description:	<p>The three GRO cDNAs encode 107 amino acid precursor proteins from which the N-terminal 34 amino acid residues are cleaved to generate the mature GROs. There are no potential N-linked glycosylation sites in the amino acid sequences. GRO expression is inducible by serum or PDGF and/or by a variety of inflammatory mediators, such as IL-1 and TNF, in monocytes, fibroblasts, melanocytes and epithelial cells. In certain tumor cell lines, GRO is expressed constitutively. Similar to other alpha chemokines, the three GRO proteins are potent neutrophil attractants and activators. In addition, these chemokines are also active toward basophils. All three GROs can bind with high affinity to the IL-8 receptor type B.</p> <p>Recombinant Rat CXCL3/CINC-2 beta is a single non-glycosylated polypeptide chain containing 69 amino acids.</p>		
Gene ID:	171551		
Source:	<i>E. coli</i>		
Molecular Weight:	~ 7.8 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 50 mM NaCl.		
Purity:	>95% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1 EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using human CXCR2 transfected BaF3 mouse proB cells is less than 20 ng/ml.		
Specific Activity:	>5×10 ⁴ IU/mg.		
Amino Acid Sequence:	RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKSDKSS		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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