

Recombinant Rat Cytokine-induced Neutrophil Chemoattractant-2 alpha/CXCL3

#R00445

Size: 10 µg/100 µg/500 µg

Stability & Storage

Use a manual 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 after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

CXCL3 is belonging to the CXC chemokine family, which is also known as CINC-2 in rat, DCIP-1 in murine, and GRO γ in humans. The functional receptor for CXCL3 has been identified as CXCR2. Similar to other GRO proteins, CXCL3 is potent neutrophil attractants and activators. This chemokine were originally purified from the conditioned medium of rat granulation tissue. In rat, CINC-2 has two isoforms, known as CXCL3 α /CINC-2 α and CXCL3 β /CINC-2 β . CXCL3 α differs from CXCL3 β as DKSS to PSL (98-101) at carboxy-terminal residues.

AA Sequence

RELRCQCLKTLPRVDFENIQSLTVTPPGPHCTQTEVIA
TLKDGQEVCLNPQAPRLQKIIQKLLKSDKSS

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.

Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq$ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Synonyms	CINC-2alpha, MIP2-alpha
Accession	Q10746
GeneID	171551
Species	Rat
Source	Escherichia coli.
Molecular Weight	Approximately 7.8 kDa, a single non-glycosylated polypeptide chain containing 69 amino acids.
Purity	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CXCR2 transfected murine BaF3 cells is in a concentration range of 5-50 ng/ml.

Physical	Sterile Filtered White lyophilized
Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.4, 50 mM NaCl.
Endotoxin	Less than 1 EU/μg of rRtCINC-2α/CXCL3 as determined by LAL method.