Recombinant Rat Cytokine-induced Neutrophil Chemoattractant-2 beta/CXCL3 (rRtCINC-2β/CXCL3)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	241-03B
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 7.6 kDa, a single non-glycosylated polypeptide chain containing 68 amino acids.
Quantity:	2μg/10μg/1000μg
AA Sequence:	RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKSPSL
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 Appearance:	Sterile Filtered White lyophilized (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-2β/CXCL3 as determined by LAL method.
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 ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
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.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. **NOT FOR HUMAN USE**.

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CXCL3 is belonging to the CXC chemokine family, which is also known as CINC-2 in rat, DCIP-1 in murine, and GROγ 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 CXCL3α/CINC-2α and CXCL3β/CINC-2β. CXCL3α differs from CXCL3β as DKSS to PSL (98-101) at carboxy-terminal residues.

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