DATASHEET
Version 20181206

CINC-2α/CXCL3, Rat

Cat. No.: Z03265-10

Size: 10.0 ug

Synonyms: Growth Regulated Protein/Melanoma Growth Stimulatory Activity (MGSA γ),CXCL3, GRO gamma, CINC□2, DCIP□1, GRO3

Description:

Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family that is also known as MIP2β (macrophage inflammatory protein 2 beta), or DCIP1 (dendritic cell inflammatory protein1) in mouse, CINC-2 (cytokineinduced neutrophil attractant 2) in rat, or GROγ (growthregulated oncogene gamma) in human.
CXCL3 controls migration and adhesion of monocytes and mediates its effects on target cells by interacting with the cell surface chemokine receptor CXCR2. It has been shown that CXCL3 regulates cerebellar granule neuron precursors toward the internal layers of the cerebellum during cerebellum morphogenesis. CXCL3 is a potential target for medulloblastoma therapy. CXCL3 is regulated transcriptionally by BTG2.
Recombinant Rat CINC-2α/CXCL3 produced in CHO cells is a polypeptide chain containing 68 amino acids. A fully biologically active molecule, rrCINC-2α/CXCL3 has a molecular mass of 7.6 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Amino Acid Sequence:

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00001 RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL
00041 KDGQEVCLNP QAPRLQKIIQ KLLKSDKS
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Source: *CHO*

Species: Rat

Biological Activity: The EC_{50} value of rat CINC□2α/CXCL3 on Ca^{2+} mobilization assay in CHO-K1/Ga15/rCXCR2 cells (human G□15 and ratCXCR2 stably expressed in CHO-K1 cells) is less than 100 ng/ml.

Molecular Weight: 7.6 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH_2O or PBS at 100 μg/ml.

Purity: > 98% as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/μg, determined by LAL method.

Storage: Lyophilized recombinant Rat CINC-2α/CXCL3 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, recombinant Rat CINC-2α/CXCL3 should be stable up to 1 week at 4°C or up to 2 months at -20°C.

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