

For Research Use Only

Recombinant Mouse CXCL1 protein (hFc Tag)



Catalog Number: Eg0160

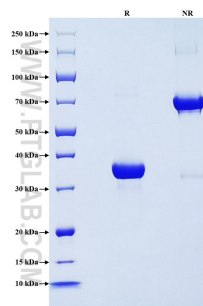
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: hFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse CXCL1 protein Ala25-Lys96 (Accession# P12850) with a human IgG2 Fc tag at the C-terminus. GeneID: 14825 Accession: P12850 Predicted Molecular Mass: 33.8 kDa SDS-PAGE: 33-37 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	CXCL1 is a member of CXC family and also known as keratinocyte-derived chemokines (KC) or growth-related oncogene (GRO). CXCL1 is expressed by macrophages, neutrophils and epithelial cells. CXCL1 binding specifically to the CXC chemokine receptor CXCR2, is involved in fibrogenesis and angiogenesis. This protein also plays a role in inflammation and as a chemoattractant for neutrophils. CXCL1 is upregulated in some types of human cancer, including colorectal, bladder, breast, prostate and skin cancers.		
References	1. D. Wang, et al. (2000). Oncogene. 19: 4647-4659. 2. Verbeke H. et al. (2011). Cytokine Growth Factor Rev. 22: 345-358. 3. Miyake M. et al. (2014). Pathol Res Pract. 210: 74-75. 4. Dhawan P. et al. (2002). J Leukoc Biol. 72: 9-18.		
Synonyms	chemokine (C X C motif) ligand 1, Growth-regulated alpha protein		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Mouse CXCL1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.