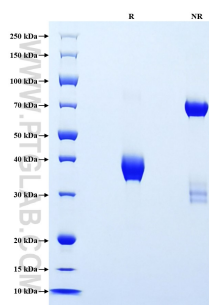


Recombinant Mouse CXCL5 protein (rFc Tag) (HPLC verified)

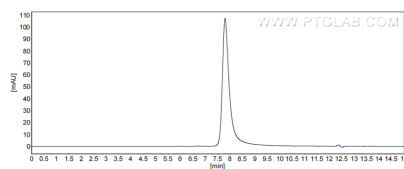
Catalog Number: Eg1636

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse CXCL5 protein Val45-Ala118 (Accession# P50228) with a rabbit IgG Fc tag at the C-terminus. GeneID: 20311 Accession: P50228 Predicted Molecular Mass: 34.3 kDa SDS-PAGE: 33-40 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. <ul style="list-style-type: none"> • 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	CXCL5 is a member of the ELR+ CXC chemokine family, whose members contain a highly conserved three amino acid motif (ELR+) that promotes angiogenesis and is highly associated with aberrant angiogenesis. CXCL5 is an important chemokine secreted by immune cells, such as monocytes and T lymphocytes. Recent studies indicated that CXCL5 is aberrantly expressed in >14 different types of cancer, including hepatocellular carcinoma, prostate cancer, pancreatic cancer, and gastric cancer. Antibody neutralization of CXCL5 in experimental models of human non-small-cell lung cancer decreased tumor angiogenesis and metastasis.		
References	1. Robert M Strieter.et al. (2004) Semin Cancer Biol. 14(3):195-200. 2. R M Strieter.et al. (1995) J Biol Chem. 270(45):27348-57. 3. Morgan O'Hayre.et al. (2008) BiochemJ. 409(3):635-49. 4. Gildas Lepennetier.et al. (2019) J Neuroinflammation. 16(1):219. 5. Wen Zhang. Et al. (2020) Cancer Commun (Lond). 40(2-3):69-80.		
Synonyms	C-X-C motif chemokine 5, Cytokine LIX, GCP-2(1-78), GCP-2(9-78), Scyb5		

Selected Validation Data



Purity of Recombinant Mouse CXCL5 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.



The purity of Mouse CXCL5 was greater than 90% as determined by SEC-HPLC.

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

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