

CHAMOT

Recombinant CXCL7(48-109), Mouse, Animal-Free

CM088-5MP

CM088-20MP

CM088-100MP

CM088-500MP

CM088-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 Product Specifications

2 Product Note

3 Storage/Shipping

4 Scientific Data

Recombinant CXCL7(48-109), Mouse, Animal-Free

Catalog#	CM088-5MP	CM088-20MP	CM088-100MP	CM088-500MP	CM088-1000MP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background C-X-C motif chemokine 7 (CXCL7) also named Pro-Platelet basic protein (PPBP), which is a chemokine of the intercrine alpha family. CXCL7 is a 8.2 kDa protein containing 74 amino acid residues. CXCL7 is expressed by the platelets, which are activated. During vascular injury, CXCL7 controls the glucose metabolism, mitogenesis and neutrophil recruitment by the interaction with CXCR2.

Synonyms C-X-C motif chemokine 7, NAP-2, PPBP, CT, CTA, CTAP3, CTAPIII, LA-PF4, LDG, LDGF, MDGF, NAP-2-L1, Scyb, Scyb7, TGB, TGB1, THBGB1, b-TG1, beta-T, beta-TG

Uniprot ID NP_076274

Molecular Weight The protein has a calculated MW of 7.57 kDa. The protein migrates below 11 kDa under reducing condition (SDS-PAGE analysis).

Expression System Escherichia coli

Purity >98% as determined by SDS-PAGE.

Activity Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED₅₀ for this effect is <5 ng/mL.

Endotoxin Level <0.1 EU per 1 µg of the protein by the LAL method.

Protein Sequence IELRCRCTNTISGIPFNSISLVNVYRPGVHCADVEVIATLKNGQKTCCLDPNAPGVKRVIMKI with polyhistidine tag at the N-terminus.

Form The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Application Cell Culture

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

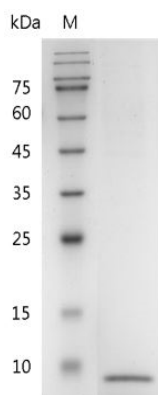
Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant mouse CXCL7 (48-109)

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491