

Product datasheet for **TP728305M**

Recombinant CXCL1 (C-C motif chemokine ligand 1), Mouse

Product data:

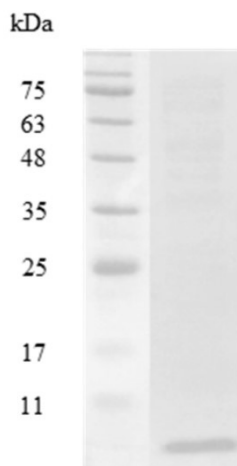
Product Type:	Recombinant Proteins
Description:	Recombinant CXCL1 (C-C motif chemokine ligand 1), Mouse
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	NELRCQCLQTMAGIHLKNIQSLKVLPSGPHCTQTEVIATLKNGREACLDPEAPLVQKIVQKMLKGVPK.
Tag:	Tag Free
Predicted MW:	The protein has a calculated MW of 7.45 kDa. The protein migrates below 11 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>95% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 50 mM Tris and 150 mM NaCl, pH 8.5.
Bioactivity:	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED ₅₀ for this effect is <15 ng/mL.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H ₂ O 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.
Applications:	Cell culture
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.
UniProt ID:	P12850
Synonyms:	GRO-α: MGSAA, NAP-3, GRO1, KC (murine)



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Summary:

C-X-C motif chemokine 1 (CXCL1) also named Growth-regulated oncogene alpha (GRO α), which is a chemokine of the intercrine alpha family. CXCL1 is a 7.5 kDa protein containing 68 amino acid residues. CXCL1 is often expressed in immune cells such as macrophage and neutrophils. CXCL1 plays an important role with immune responses and cancer progression. CXCL1 activates the cell signal transduction with casepas1 that affects the cell proliferation, differentiation and migration.

Product images:

SDS- PAGE analysis of recombinant mouse CXCL1