

CXCL1/GRO- α /NAP-3/GRO1, Human, Recombinant

Cat. No. : PCK359

General Information

Synonyms	GRO- α ; MGS α ; NAP-3; GRO1
Species	Human
Expression host	E.coli
Sequence	ASVATELRQCQLQTLQGIHPKNIQSVNVKSPGPHCAQTEVIATLKNGRKACLNPPASPIVKKII EK MLNSDKSN with polyhistidine tag at the N-terminus.
Accession	P09341
Tag	His-tag at the N-terminus
Mol mass	8.67 kDa
Expiration date	12 months
Bio activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 3 ng/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°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 -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μ m filtered solution containing 1 $\times$ PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μ g/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

CXCL1/GRO α act as a growth factor for melanoma cells. It is also a chemotaxin for neutrophils. Like other alpha chemokines, this protein is potent neutrophil attractant and activator and is also affect basophils. Clinical research show that CXCL1 protein may be a therapeutic target as well as a diagnostic marker in ovarian cancer.

SDS-PAGE