

Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

Interleukin-8 (C-X-C motif chemokine 8) is coded by the interleukin 8 gene on chromosome 5 in Rhesus macaque (*Macaca mulatta*), which is not only 94% identical to human IL8, but also structurally and functionally similar with human IL8. IL8 also provides a valuable resource for a model of inflammation in primates.

Catalog Number	1210-08
Product Name	IL8, Rhesus macaque Recombinant Rhesus macaque Interleukin-8 IL8 Monocyte-Derived Neutrophil Chemotactic Factor Small Inducible Cytokine Subfamily B, Member (SCYB8) Chemokine, CXC Motif, Ligand 8 (CXCL8)
Source	<i>Escherichia coli</i>
MW	Approximately 9.14kD containing 79 amino acid residues.
Sequence	AVLPRSAKEL RCECIKTYSK PFHPKFIKEL RVIESGPHCA NTEIIVKLSLD GRELCLDPKE PWVQRVVEKF VKRAENQNP
Accession Number	P67813
Purity	>95% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CXCR2 transfected murine BaF3 cells is in a concentration range of 0.5-5.0 ng/ml.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.