

IL-8/CXCL8 Protein, Human, Recombinant (HEK293, His)

General Information

Synonyms:	LECT;LUCT;LYNAP;chemokine (C-X-C motif) ligand 8;MONAP;MDNCF;NAF;NAP-1;IL8; Interleukin-8;GCP-1;NAP1;GCP1;IL-8
Protein Construction:	Ser28-Ser99
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P10145-1
Molecular Weight:	9.5 kDa (Predicted); 11-13 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human IL-8, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-IL-8 Antibody, hFc Tag with the EC50 of 12.5 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Interleukin-8 (IL-8) has been revealed as a critical regulator of CNS function and development with participation in many CNS disorders including gliomas. Several promising approaches that target directly or indirectly IL-8 effects in gliomas are currently in progress while more-in-depth studies are needed to validate its biomarker role and elucidate the underlying molecular mechanisms.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481