

DATASHEET

Version 20181206

IL-8/CXCL8 (3-79aa), Human**Cat. No.:** Z02189-50**Size:** 50.0 ug**Synonyms:** rHu IL-8 (3-79);**Description:**

Interleukin-8 (IL-8) belongs to the neutrophil-specific CXC family of chemokines. It is one of the initial cytokines released from a variety of cell types, including T cells, endothelial cells and fibroblasts, in response to an inflammatory stimulus and acts by recruiting neutrophils, T-cells and basophils to the site of inflammation. Elevated Interleukin-8 (IL-8) levels are associated with the onset of a variety of disease states.

Human Interleukin-8 (IL-8) (3-79) , produced in *E. coli*, is a single, non-glycosylated polypeptide chain containing 77 amino acids and having a molecular mass of 8,904 Da.

Source: *E. coli***Species:** Human**Molecular Weight:** 9,000 Da+/-10%, determined by reduced SDS-PAGE**Formulation:** The protein was lyophilized after extensive dialysis against PBS, pH7.4.**Reconstitution:** It is recommended that lyophilized GenScript rHuIL-8 /77 be reconstituted in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.**Purity:** The purity of recombinant Human Interleukin-8 (IL-8) is greater than 95.0%, as determined by the following methods:

- (a) RP-HPLC analysis
- (b) Reducing and non-reducing SDS-PAGE silver-stained gel analysis

Endotoxin Level: Less than 0.1ng/µg (1 IEU/µg) determined by LAL test.**Storage:** Although lyophilized Recombinant Human Interleukin-8 (IL-8)/77 can remain stable at room temperature for three weeks, it is best stored desiccated below -18°C. After reconstitution, Recombinant Human Interleukin-8 (IL-8)/77 may be stored at 4°C for up to seven days and below -18°C for longer periods. For long-term storage it is recommended that a carrier protein (0.1% HSA or BSA) be added. Please avoid freeze-thaw cycles.