

# Canine IL 8 Recombinant Protein



RPPB1169

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## Product Information    Protein Information

**Product SKU:**

RPPB1169

**Accession:**

P41324

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-8 Canine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 79 amino acids and having a molecular mass of 9.1kDa. The IL8 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Interleukin-8, IL-8, C-X-C motif chemokine 8, IL8, CXCL8.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized IL-8 in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized IL-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL8 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

AVLSRVSSEL RCQCIKTHST PFHPKYIKEL RVIDSGPHCE NSEIIVKLFN GNEVCLDPKE KVVQKVVQIF LKKAQKQDP.

**Biological Activity:**

The biological activity determined by a chemotaxis bioassay using human CXCR2 transfected murine BaF3 cells is in a concentration range of 0.15-0.75 ng/ml.