Recombinant Feline Interleukin 8

Cat. No. IL8-261F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Feline IL8 was expressed in *Yeast*. MW= 8.9 kDa (79 aa).
Species	Feline
Source	Yeast
Description	Interleukin-8 (IL-8) is a chemokine, a member of the cytokine family that displays chemotactic activity for specific types of leukocytes. It is a proinflammatory CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. Many cell types, including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, keratinocytes, hepatocytes, chondrocytes, and various tumor cell lines, can produce CXCL8/IL-8 in response to a wide variety of pro-inflammatory stimuli such as exposure to IL-1, TNF, LPS, and viruses.
Formulation/ Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purification	Ion-exchange chromatography.
Purity	>95% as visualized by SDS-PAGE analysis.
Amino Acid Sequence	AVLSRISSEL RCQCIKTHST PFNPKLIKEL TVIDSGPHCE NSEIIVKLVN GKEVCLDPKQ KWVQKVVEIF LKKAEKQNA.
Bioactivity	In testing.

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Stability And Storage	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL8 interleukin 8 [Felis catus]
Synonyms	interleukin 8; IL8; IL-8; interleukin-8; C-X-C motif chemokine 8
Gene ID	493836
mRNA Refseq	NM_001009281.1
Protein Refseq	NP_001009281.1
UniProt ID	Q9XSX5
PDB rendering based on 1IL8.	

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