

Active Recombinant Guinea Pig IL8

Cat. No. IL8-307P Lot. No. (See product label)

SPECIFICATION

Product Overview	Guinea Pig IL-8 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Guinea Pig
Source	Yeast
Description	Interleukin-8 (IL-8), also known as CXCL8, is a CXC family member chemokine produced by macrophages and other cell types such as epithelial cells. There have been 17 different CXC chemokines described in mammals, that are subdivided into two categories, those with a specific amino acid sequence (or motif) of glutamic acid-leucine-arginine (or ELR for short) immediately before the first cysteine of the CXC motif (ELR-positive), and those without an ELR motif (ELR-negative). ELR-positive CXC chemokines such as IL-8 specifically induce the migration of neutrophils, and interact with chemokine receptors CXCR1 and CXCR2.
Form	Lyophilized
Bio-activity	In testing
Molecular Mass	Guinea Pig IL-8 has a predicted molecular weight of 9.1 kDa.
AA Sequence	MVVTKLVSEL RCQCIKIHTT PFHPKFIKEL KVIESGPRCA NSEIIVKLSD NRQLCLDPKK KVVQDVVSMF LKRTEsqds (79)

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Purity	>95% as visualized by SDS-PAGE analysis.
Applications	The Guinea Pig IL-8 protein can be used in cell culture, as an IL-8 ELISA Standard, and as a Western Blot Control.
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.
Reconstitution	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

GENE INFORMATION

Gene Name	IL8 interleukin 8 [<i>Cavia porcellus</i> (domestic guinea pig)]
Official Symbol	IL8
Synonyms	IL8; IL-8; CXCL8; NAP-1; interleukin 8; interleukin-8; C-X-C motif chemokine 8; Neutrophil attractant protein 1; neutrophil attractant protein-1
Gene ID	100379599
mRNA Refseq	NM_001173399
Protein Refseq	NP_001166870
UniProt ID	P49113
Chromosome Location	Un

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