

Recombinant dog IL-8 protein ab200269

Description

Product name	Recombinant dog IL-8 protein
Biological activity	The biological activity was determined by a chemotaxis bioassay using Human CXCR2 transfected murine BaF3 cells is in a concentration range of 0.15-0.75 ng/ml.
Purity	> 95 % SDS-PAGE. ab200269 is > 95 % pure as assessed by SDS-PAGE and HPLC analyses.
Expression system	Escherichia coli
Accession	<u>P41324</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Dog
Sequence	AVLSRVSSELRCQCIKTHSTPFHPKYKELRVIDSGPHCEN SEIVKLFN GNEVCLDPKEKWVQKVQIFLKKAQKQDP
Predicted molecular weight	9 kDa
Amino acids	23 to 101
Additional sequence information	This product is for the mature full length protein from aa 23 to 101. The signal peptide is not included.

Specifications

Our **Abpromise guarantee** covers the use of **ab200269** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC SDS-PAGE Functional Studies
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle.
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pH: 7.40

Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.

General Info

Function

IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.

Sequence similarities

Belongs to the intercrine alpha (chemokine CxC) family.

Post-translational modifications

Several N-terminal processed forms are produced by proteolytic cleavage after secretion from at least peripheral blood monocytes, leukocytes and endothelial cells. In general, IL-8(1-77) is referred to as interleukin-8. IL-8(6-77) is the most prominent form.

Cellular localization

Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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