

Product datasheet

Recombinant pig IL-8 protein ab202818

Description

Product name	Recombinant pig IL-8 protein	
Biological activity	ab202818 is fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using Human peripheral blood neutrophils is in a concentration range of 20-200 ng/mL.	
Purity	> 95 % SDS-PAGE. Purity is determined by SDS-PAGE and HPLC analyses.	
Endotoxin level	> 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P26894	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Pig	
Sequence	ARVSAELRCQCINTHSTPFHPKFIKELRVIESGPHCENSEII VKLVNGKE VCLDPKEKVVQKVVQIFLKRTEKQQQQQ	
Predicted molecular weight	9 kDa	
Amino acids	26 to 103	
Additional sequence information	This product is for the mature full length protein. The signal peptide is not included. A single non-glycosylated polypeptide chain.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab202818** in the following tested applications.

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

Applications	Functional Studies HPLC SDS-PAGE
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 or -80°C. Avoid freeze / thaw cycle.

pH: 7.40
Constituent: 100% PBS

Lyophilized from a 0.2 µM filtered solution.

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. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions. Reconstituted protein should be stored in working aliquots and stored at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors