

Product datasheet

Recombinant Dog IL-1 alpha protein ab169717

Description

Product name	Recombinant Dog IL-1 alpha protein	
Purity	> 95 % SDS-PAGE. ab169717 was purified by Ion-exchange chromatography.	
Expression system	Yeast	
Accession	O46612	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Dog	
Sequence	SVAYNFHNE KYNIRIKS QFILNDNLNQ SVRQTGGNY LMTAALQNL DAVKFDMGAY TSEDSKLPVT LRISKTRLFV SAQNEDEPVL LKEMPETPKT IRDETLLFF WERHGSKHYF KSVAQPKLFIATQERKLVHM ARGQPSITDF RLLETQP	
Predicted molecular weight	18 kDa	
Amino acids	109 to 265	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab169717** in the following tested applications.

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

Applications	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Constituents: 90% PBS, 10% Trehalose
Reconstitution	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein. Store reconstituted protein in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

General Info

Function	Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.
Sequence similarities	Belongs to the IL-1 family.
Domain	The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function.
Cellular localization	Secreted. The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins.

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

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