

Recombinant Dog IL18 Protein, Tag Free

Cat. No. IL18-01D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog IL18 Protein (37-193 aa) without tag was expressed in E. coli.
Species	Dog
Source	E.coli
ProteinLength	37-193 aa
Description	Pro-inflammatory cytokine primarily involved in epithelial barrier repair, polarized T-helper 1 (Th1) cell and natural killer (NK) cell immune responses. Upon binding to IL18R1 and IL18RAP, forms a signaling ternary complex which activates NF-kappa-B, triggering synthesis of inflammatory mediators. Synergizes with IL12/interleukin-12 to induce IFNG synthesis from T-helper 1 (Th1) cells and natural killer (NK) cells. Involved in transduction of inflammation downstream of pyroptosis: its mature form is specifically released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore.
AASequence	MYFGKLEPKLSIIRNLNDQVLVNEGNQPVFEDMPDSDCTDNAPHTIFIIMYKDSL RGLAVTISVKYKTMSTLSCKNKTISFQKMSPDSDINDEGNDIIFQRSVPGHDDKIQFE SSLYKGHFLACKKENDLFLKILKDKDENGDKSIMFTVQNKS
Molecular Mass	18 kDa
Endotoxin	< 1 EU/μg of protein determined by LAL method

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Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile 50mM Tris, pH8.0, 300mM NaCl, 0.1% SKL
Concentration	0.31 mg/mL by BCA

GENE INFORMATION

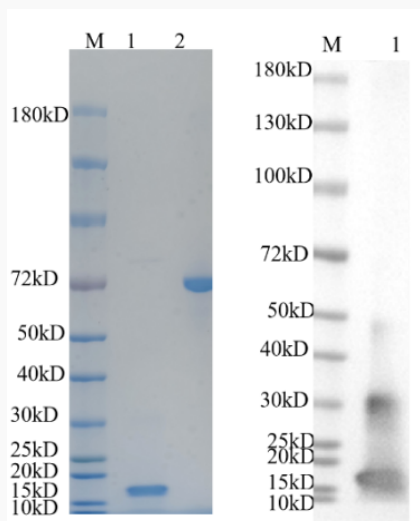
Gene Name	IL18 interleukin 18 [<i>Canis lupus familiaris</i> (dog)]
Official Symbol	IL18
Synonyms	IL18; interleukin 18; IGIF; interleukin-18; IFN-gamma-inducing factor; IL-1 gamma; IL-18; interferon gamma-inducing factor; interleukin 18 (interferon-gamma-inducing factor); interleukin-1 gamma
Gene ID	403796
mRNA Refseq	NM_001003169
Protein Refseq	NP_001003169
UniProt ID	Q9XSR0

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Rabbit anti-Dog IL18 Polyclonal antibody) analysis profiles of purified IL18. 1. IL18: 1 μ g 2. BSA: 1 μ g

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