## **PRODUCT INFORMATION**

**Expression system** Baculovirus

**Domain** 21-207aa

**UniProt No.** P41323

NCBI Accession No. NP\_001003301

Alternative Names Interleukin-6, IL6, IL-6

# **PRODUCT SPECIFICATION**

Molecular Weight 22 kDa (195aa)

**Concentration** 0.5mg/ml (determined by Bradford assay)

#### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

**Endotoxin level** < 1 EU per 1ug of protein (determined by LAL method)

**Tag** His-Tag

Application SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### BACKGROUND

#### Description

IL6, as known as Interleukin-6, is a phosphorylated and variably glycosylated cytokine. It is secreted by T cells and macrophages to stimulate immune response during infection and after trauma, especially burns or other tissue damage leading to inflammation. Also, this protein can function as an anti-inflammatory molecule, as in skeletal muscle where it is secreted in response to exercise. Recombinant canine IL6, fused to His-tag at C-



terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

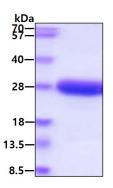
FPTPGPLAGD SKDDATSNSL PLTSANKVEE LIKYILGKIS ALRKEMCDKF NKCEDSKEAL AENNLHLPKL EGKDGCFQSG FNQETCLTRI TTGLVEFQLH LNILQNNYEG DKENVKSVHM STKILVQMLK SKVKNQDEVT TPDPTTDASL QAILQSQDEC VKHTTIHLIL RSLEDFLQFS LRAVRIM<LEH HHHHH>

#### **General References**

Schuttler J., et al, (2015) Vet. Clin. Pathol. 44:223-228. Pei Z., et al, (2015) J. Vet. Med. Sci. 77:139-145.

### DATA

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.