Recombinant canine IL-6 protein

Catalog Number: ATGP3543

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

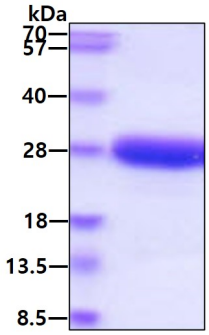
FPTPGPLAGD SKDDATSNSL PLTSANKVEE LIKYILGKIS ALRKEMCDKF NKCEDSKEAL AENNLHLPKL EGKDGCFQSG FNQETCLTRI TTGLVEFQLH LNILQNNYEG DKENVKSVHM STKILVQMLK SKVKNQDEVT TPDPTTDASL QAILQSQDEC VKHTTIHLIL RSLEDFLQFS LRAVRIM<LEH HHHHH>

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.