

Datasheet for ABIN5855052

IL-6 Protein (AA 25-211) (His tag)



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1 Image

Overview

Quantity:	5 µg
Target:	IL-6 (IL6)
Protein Characteristics:	AA 25-211
Origin:	Rat
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	FPTSQVR RGDFTEDTTH NRPVYTTSQV GGLITYVLRE ILEM RKELCN GNSDCMNSDD ALSENNLKLP EIQRNDGCFQ TGYNQEICLL KICSGLLEFR FYLEFVKNNL QDNKKDKARV IQSNTETLVH IFKQEI KDSY KIVLPTPTSN ALLMEKLESQ KEWLRTKTIQ LILKALEEFL KVTMRSTRQT
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)
Biological Activity Comment:	Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 range ≤0.1 ng/ml.

Target Details

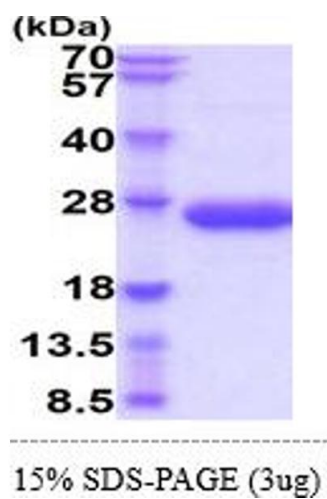
Target:	IL-6 (IL6)
Alternative Name:	IL-6 (IL6 Products)
Background:	<p>Il6, also known as interleukin 6, is an alpha-helical phosphorylated and glycosylated cytokine. This protein is important roles in the acute phase reaction, inflammation, hematopoiesis, bone metabolism and cancer progression. Also, it can function as an anti-inflammatory molecule, as in skeletal muscle where it is secreted in response to exercise In addition, it enhances hematopoietic stem cell proliferation and the differentiation of Th17 cells, memory B cells, and plasma cells. Recombinant rat Il6, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	22.8 kDa (196aa)
NCBI Accession:	NP_036721
UniProt:	P20607
Pathways:	TLR Signaling , Hormone Transport , Negative Regulation of Hormone Secretion , Myometrial Relaxation and Contraction , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Regulation of Carbohydrate Metabolic Process , Autophagy , Cell RedoxHomeostasis , Cancer Immune Checkpoints , Inflammasome

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.