

## Datasheet for ABIN2130109 IL6RA Protein



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### Overview

Quantity:	5 µg
Target:	IL6RA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Sequence:	LAPRRCPAQE VARGVLTSLP GDSVTLTCPG VEPEDNATVH WVLRKPAAGS HPSRWAGMGR RLLLSVQLH DSGNYSCYRA GRPAGTVHLL VDVPPEEPQL SCFRKSPLSN VVCEWGPRST PSLTTKAVLL VRKFQNSPAE DFQEPCQYSQ ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDPP ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RRFELRYRA ERSKTFTTWM VKDLQHHCVI HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR SPPAENEVST PMQALTTNKD DDNILFRDSA NATSLPVQD
Characteristics:	Purified recombinant Human IL6 R alpha protein Expression System: HEK cells Bioactivity: The ED50 was determined by its ability to intensify the IL-6 induced growth inhibition of Mouse M1 cells is ? 5.0 ng/mL, in the presence of 20 ng/mL of rhIL-6.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

## Target Details

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Target:	IL6RA
Alternative Name:	IL6R alpha ( <a href="#">IL6RA Products</a> )
Background:	<p>IL6 mediates its biological effects through the type I IL6 receptor system that consists of two chains, IL6Ra and gp130. The IL6Ra chain is the binding component specific to IL6, while the gp130 only transmits signals of IL6 when bound to IL6Ra. The gp130 also can transmit signals from LIF, OSM, CNTF, IL11 and CT-1 in conjunction with other receptor subunits. The low-affinity binding site for IL6 is composed of IL6Ra alone. IL6Ra is expressed in a wide range of cells including T cells, fibroblasts and macrophages. Soluble IL6Ra which consists of only the extracellular domain of the IL6Ra chain, acts as an agonist of IL6 activity at low concentrations.</p> <p>Alternative Names: B cell stimulatory factor-2 protein, soluble IL-6 receptor alpha protein, IL-6, IL6, Interleukin 6R alpha protein, CD126 protein, IL-6R alpha protein, IL-6 protein, IL 6 protein, IL 6</p>
Molecular Weight:	37.6 kDa
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Autophagy</a> , <a href="#">Growth Factor Binding</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

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Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Comment:	Biological activity: The ED50 was determined by its ability to intensify the IL-6 induced growth inhibition of Mouse M1 cells is approx. 5.0 ng/mL, in the presence of 20 ng/mL of rhIL-6.
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Reconstitute in 1 PBS to a concentration of 0.1-1.0 mg/mL. When dissolved, dilute further into aqueous buffered solutions.
Buffer:	Lyophilized from 1x PBS.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C