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Datasheet for ABIN2018358

IL6RA Protein (AA 20-358, Isoform 1) (His tag)

Overview

Quantity:	50 µg
Target:	IL6RA
Protein Characteristics:	Isoform 1, AA 20-358
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL6RA protein is labelled with His tag.

Product Details

Characteristics:	ED50 < 50 ng/mL, measured by the cytotoxicity assay using M1 cells in presence of 10 ng/mL of human IL-6, corresponding to a specific activity of > 2x10 ⁴ units/mg. AA 20-358 (isoform 1), expressed with an N-terminal Histag.
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IL6RA
Abstract:	IL6RA Products
Background:	Interleukin-6 Receptor (IL-6R) is a single trans-membrane protein that is the receptor for Interleukin-6 (IL-6). IL-6R forms a hexameric complex upon binding 2 Molecules of IL-6 and two

Target Details

molecules of glycoprotein 130 (gp130) which activates intracellular JAK/STAT pathways. Although the normal form of IL-6R is the membrane-bound 80 kDa subunit, a soluble form of IL-6R (sIL-6R) can be generated physiologically by limited proteolysis or alternative splicing. sIL-6R binds to both IL-6 and gp130 generating intracellular signaling. In the immune system, sIL-6R is produced by both naive and memory CD4 T-cells and strongly augments IL-6 ligand's induction of Th-17 cells. Recombinant human Soluble IL-6 Receptor Alpha (rhsIL-6R alpha) with an N-terminal His tag produced in Sf9 insect cells is a single glycosylated polypeptide chain containing 350 amino acids. A fully biologically active molecule, rhsIL-6R alpha has a molecular mass of 50 kDa analyzed by reducing SDS-PAGE.

Synonyms: gp80

Molecular Weight: 50 kDa, observed by reducing SDS-PAGE.

UniProt: [P08887](#)

Pathways: [JAK-STAT Signaling](#), [Autophagy](#), [Growth Factor Binding](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant human Soluble IL-6 Receptor Alpha (rhsIL-6R alpha) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rhsIL-6R alpha remains stable up to 2 weeks at 4 °C or up to 3 months at -20 °C.

Expiry Date: 6 months