

[Go to Product page](#)

Datasheet for ABIN2018149

IL-6 Receptor Protein (AA 20-365)

Overview

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|--------------------------|----------------------|
| Quantity: | 50 µg |
| Target: | IL-6 Receptor (IL6R) |
| Protein Characteristics: | AA 20-365 |
| Origin: | Human |
| Source: | CHO Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |

Product Details

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| Characteristics: | ED50 < 0.2 µg/mL, measured in a cell proliferation assay using M1 cells in the presence of 10 ng/mL human IL-6. |
| Purity: | > 95 % as analyzed by SDS-PAGE and HPLC. |
| Endotoxin Level: | < 0.2 EU/µg, determined by LAL method. |

Target Details

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| Target: | IL-6 Receptor (IL6R) |
| Alternative Name: | Interleukin-6 Receptor (IL6R Products) |
| Background: | Interleukin-6 Receptor Alpha, also known as IL-6RA, IL-6R1 and CD126, belongs to the type I cytokine receptor family. It is mainly expressed on T cells, fibroblasts and macrophages. IL-6RA couples with gp130 to form the IL-6 receptor, IL-6RA binds specifically to IL-6 and depends on gp130 to transmit signals. IL-6RA dysfunction has been correlated with the pathogenesis of |

Target Details

many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Soluble IL-6RA, which consists of only the extracellular domain of IL-6RA, acts as an agonist of IL-6 activity.

Synonyms: IL-6RA, IL-6R1, CD126

Molecular Weight: 54-56 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 or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Human Interleukin-6 Receptor Alpha remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Interleukin-6 Receptor Alpha should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months