

## ARG70506 Human IL6R alpha recombinant protein (His-tagged)

Package: 100 µg

Store at: -20°C

### Summary

Product Description	CHO expressed, His-tagged Human IL6R recombinant protein.
Tested Application	SDS-PAGE
Target Name	IL6R alpha
Species	Human
A.A. Sequence	Met1-Ser232
Expression System	CHO
Alternate Names	IL6R; Interleukin 6 Receptor; Gp80; Membrane Glycoprotein 80; IL-1Ra; CD126; IL-6R; IL6RA; Interleukin-6 Receptor Subunit Alpha; IL-6 Receptor Subunit Alpha; CD126 Antigen; IL-6RA; Interleukin 6 Receptor Subunit Alpha; IL-6R Subunit Alpha; IL-6R-Alpha; IL-6R-1; IL-6R 1; IL6QTL; HIES5; IL6RQ; IL6Q

### Properties

Form	Powder
Purification	>95% (by SDS-PAGE)
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	IL6R
Gene Full Name	Interleukin 6 Receptor
Background	This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been identified in this gene. A pseudogene of this gene is found on chromosome 9. [provided by RefSeq, Aug 2020]
Function	The interaction with membrane-bound IL6R and IL6ST stimulates 'classic signaling', the restricted expression of the IL6R limits classic IL6 signaling to only a few tissues such as the liver and some cells of the immune system. Whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans-signaling'. Alternatively, 'cluster signaling' occurs when membrane-bound IL6:IL6R complexes on transmitter cells

activate IL6ST receptors on neighboring receiver cells. [Uniprot]