

## IL-6R alpha Protein, Human (CHO)

Cat. No.:	HY-P7223
Synonyms:	rHuIL-6R; IL-6RA; IL-6R 1; CD126; Membrane glycoprotein 80
Species:	Human
Source:	CHO
Accession:	P08887 (L20-P365)
Gene ID:	3570
Molecular Weight:	54-56 kDa

### PROPERTIES

AA Sequence	<pre> L A P R R C P A Q E   V A R G V L T S L P   G D S V T L T C P G   V E P E D N A T V H W V L R K P A A G S   H P S R W A G M G R   R L L L R S V Q L H   D S G N Y S C Y R A G R P A G T V H L L   V D V P P E E P Q L   S C F R K S P L S N   V V C E W G P R S T P S L T T K A V L L   V R K F Q N S P A E   D F Q E P C Q Y S Q   E S Q K F S C Q L A V P E G D S S F Y I   V S M C V A S S V G   S K F S K T Q T F Q   G C G I L Q P D P P A N I T V T A V A R   N P R W L S V T W Q   D P H S W N S S F Y   R L           </pre>
Biological Activity	The ED <sub>50</sub> is <0.2 µg/mL as measured by M1 cells.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS.
Endotoxin Level	<0.2 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O or PBS.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The IL-6 receptor–signaling system is made up of two receptor chains and downstream signaling molecules. The IL-6 receptor (IL-6R) constitutes the IL-6-binding chain, which occurs in two forms, 80 kDa transmembrane and 50-55 kDa-soluble IL-6R (sIL-6R), whereas 130 kDa gp130 constitutes the signal-transducing chain. Both of these proteins belong to the cytokine receptor family with a Trp-Ser-X-Trp-Ser motif <sup>[1]</sup> .
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## REFERENCES

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[1]. Tanaka T, et al. IL-6 in inflammation, immunity, and disease. Cold Spring Harb Perspect Biol. 2014 Sep 4;6(10):a016295.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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