

Recombinant Human Interleukin-5 Receptor alpha (CHO-expressed)

Cat. No.:	HY-P7221
Synonyms:	rHuIL-5R α ; IL-5R; IL-5RA; CD125
Species:	Human
Source:	CHO
Accession:	Q01344
Gene ID:	3568
Molecular Weight:	53-56 kDa

PROPERTIES

AA Sequence	<pre> D L L P D E K I S L L P P V N F T I K V T G L A Q V L L Q W K P N P D Q E Q R N V N L E Y Q V K I N A P K E D D Y E T R I T E S K C V T I L H K G F S A S V R T I L Q N D H S L L A S S W A S A E L H A P P G S P G T S I V N L T C T T N T T E D N Y S R L R S Y Q V S L H C T W L V G T D A P E D T Q Y F L Y Y R Y G S W T E E C Q E Y S K D T L G R N I A C W F P R T F I L S K G R D W L A V L V N G S S K H S A I R P F D Q L F A L H A I D Q I N P P L N V T A E I E G T </pre>
Biological Activity	The ED ₅₀ is <0.2 ng/mL as measured by TF-1 cells.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS.
Endotoxin Level	<0.2 EU/ μ g, determined by LAL method.
Reconstitution	Reconstitute the lyophilized recombinant Human Interleukin-5 Receptor alpha (CHO-expressed) (rHuIL-5R α) to 100 μ g/mL using ddH ₂ O or PBS.
Storage & Stability	Lyophilized recombinant Human Interleukin-5 Receptor alpha (CHO-expressed) (rHuIL-5R α) is 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	Interleukin-5 Receptor (IL5R) consists of an α chain corresponding to the low affinity IL5 binding site (K_d = 1 nM), and a β chain (130 kd component) that associates with the α chain to form the high affinity binding site (K_d = 0.05 nM) ^[1] .
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REFERENCES

[1]. Tavernier J, et al. A human high affinity interleukin-5 receptor (IL5R) is composed of an IL5-specific alpha chain and a beta chain shared with the receptor for GM-CSF. Cell. 1991 Sep 20;66(6):1175-84.

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

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