

## Recombinant Human Interleukin 3 Receptor, Alpha (Low Affinity)

Cat. No. IL3RA-1644H Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Interleukin 3 receptor alpha (IL3RA), also known as CD123 (Cluster of Differentiation 123), is a type I transmembrane protein that is expressed on the large majority of progenitor cells. IL-3R alpha function can be defined by the activity of its ligand interleukin-3. IL-3 is a multipotent cytokine that promotes the development of hemopoietic progenitors into cells of the erythroid, myeloid and lymphoid lineages. CD123 may be a promising strategy for the preferential ablation of acute myelogenous leukemia (AML) cells.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>97% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<0.1 ng per 1 g as determined by the LAL method.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Human IL-3 sR $\alpha$ is Mr 33 kDa.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

<b>Gene Name</b>	IL3RA interleukin 3 receptor, alpha (low affinity) [ Homo sapiens ]
<b>Synonyms</b>	IL3RA; interleukin 3 receptor, alpha (low affinity); RP11-261P4.2; CD123; IL3R; IL3RAY; IL3RX; IL3RY; MGC34174; hIL-3Ra; CD123 antigen; Interleukin-3 receptor; interleukin 3 receptor, alpha; IL-3R-alpha; OTTHUMP00000022828; MGC34174
<b>Gene ID</b>	3563
<b>mRNA Refseq</b>	NM_002183
<b>Protein Refseq</b>	NP_002174
<b>MIM</b>	308385
<b>UniProt ID</b>	P26951
<b>Chromosome Location</b>	Xp22.3 or Yp11.3
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Apoptosis; Hematopoietic cell lineage
<b>Function</b>	interleukin-3 receptor activity; receptor activity; protein binding

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