

Recombinant Human Interleukin 3 Receptor, Alpha (Low Affinity)

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

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	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.1CD123 may be a promising strategy for the preferential ablation of acute myelogenous leukemia (AML) cells.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Molecular Weight	The predicted molecular weight of Recombinant Human IL-3 sRa is Mr 33 kDa.
Storage And Stability	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

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for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	IL3RA interleukin 3 receptor, alpha (low affinity) [Homo sapiens]
Synonyms	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
Gene ID	3563
mRNA Refseq	NM_002183
Protein Refseq	NP_002174
MIM	308385
UniProt ID	P26951
Chromosome Location	Xp22.3 or Yp11.3
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Apoptosis; Hematopoietic cell lineage
Function	interleukin-3 receptor activity; receptor activity; protein binding

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