

Recombinant Mouse Interleukin 3 Receptor, Alpha Chain

Cat. No. Il3ra-1755M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Sf21 Cells
Description	Interleukin 3 receptor, alpha (low affinity) (IL3RA), also known as CD123 (Cluster of Differentiation 123), is a human gene. The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is composed of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3.
Molecular Weight	The predicted molecular weight of Recombinant Mouse IL-3 R α is Mr 61.0 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 70-80 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.

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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 for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	IL3ra interleukin 3 receptor, alpha chain [Mus musculus]
Synonyms	IL3ra; interleukin 3 receptor, alpha chain; CD123; SUT-1; CDw123; IL-3 alpha subunit; IL-3 receptor alpha chain; IL-3 receptor alpha SP2 isoform
Gene ID	16188
mRNA Refseq	NM_008369
Protein Refseq	NP_032395
UniProt ID	P26952
Chromosome Location	14 A2; 14 1.5 cM
Pathway	Apoptosis; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Jak-STAT signaling pathway
Function	cytokine receptor activity; receptor activity

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