

## Product datasheet for **TP726754**

### IL3RA Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human IL-3RA (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Thr19-Arg305
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Human Interleukin-3 Receptor Subunit Alpha is produced by our Mammalian expression system and the target gene encoding Thr19-Arg305 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$ , stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Stability:	12 months from date of despatch
Locus ID:	3563
UniProt ID:	<a href="#">P26951</a>
Synonyms:	Interleukin-3 receptor subunit alpha; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA
Summary:	CD123, also known as Interleukin-3 receptor subunit alpha, belongs to the type I cytokine receptor family. In mouse, there are two classes of high-affinity IL3 receptors. One contains an IL3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL5 and GM-CSF receptors. CD123 stimulates the proliferation and differentiation of hemopoietic cells including the pluripotent hematopoietic stem cells as well as various lineage-committed cells. CD123 is a heterodimer consisting of an alpha and a beta subunit. The alpha subunit alone binds IL-3 with low affinity. The beta subunit does not bind IL-3 by itself but is required for the high-affinity binding of IL-3 to the heterodimeric receptor complex.
Protein Families:	Transmembrane


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**Protein Pathways:** Apoptosis, Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway