

Product datasheet for **TP728005**

IL3RA Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Biotinylated Human IL-3RA (C-Fc-Avi)

Species: Human

Expression cDNA Clone or AA Sequence: Thr19-Arg305

Tag: C-Fc-Avi

Buffer: Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.

Note: Biotinylated 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 Fc, Avi tag at the C-terminus.

Stability: 12 months from date of despatch

Locus ID: 3563

UniProt ID: [P26951](#)

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.



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