

Product datasheet for **TP724788**

IL3RA Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human IL-3R alpha/CD123(C-hFc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Lys20-Arg305
Tag:	C-hFc
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 Lys20-Arg305 is expressed with a Fc 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, is a glycoprotein that belongs to the type I cytokine receptor family. CD123 is a heterodimer with 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. CD123 induces the proliferation and differentiation of hemopoietic cells including the pluripotent hematopoietic stem cells as well as a variety of lineage-committed cells. CD123 has been identified as a potential immunotherapeutic target due to its overexpression in AML compared with normal hematopoietic stem cells.



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