

## 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.   |
| Stability:                            | 12 months from date of despatch   |
| Locus ID:                             | 3563  |
| UniProt ID:                           | <a href="#">P26951</a>  |
| 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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