

Recombinant Human IL3RA protein, T7/His-tagged

Cat. No. IL3RA-109H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD123 cDNA (19-305 aa, derived from BC035407) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	19-305 a.a.
Form	0.2 mg/ml in sterile-filtered solution in 20 mM Tris, pH 7.5. Proprietary formulation of NaCl , KCl, EDTA, arginine, DTT, and glycerol.
AA Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFTKEDPNPPITNLRMKAKAQQLTWDL NRNVTDIECVKDADYSMPAVN NSYCQFGAISLCEVTNYTVRVANPPFSTWILFPENS GKPWAGAENLTCWIHDVDFLSCSWAVGPGAPADVQYDLY LNVANRRQQYECLHY KTDAQGTRIGCRFDDISRLSSGSQSSHILVRGRSAAFGIPCTDKFVVFSSQIEILTPPNM T AKCNKTHSFMHWKMRSFNRKFRYELQIQKRMQPVITEQVRDRTSFQLLNPGTY TVQIRARERVYEFLSAWSTPQ RFECDAQEEGANTRAWR
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro CD123 mediated IL3 signaling regulation study with this protein as either coating matrix protein or soluble factor.2. May be used for CD123 protein-protein interaction assay.3. Potential diagnostic biomarker for acute myeloid leukemia and lupus diseases.4. As antigen for specific antibody production.

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Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION
Gene Name

IL3RA interleukin 3 receptor, alpha (low affinity) [Homo sapiens]

Official Symbol

IL3RA

Synonyms

IL3RA; interleukin 3 receptor, alpha (low affinity); interleukin-3 receptor subunit alpha; CD123; IL-3RA; IL-3R-alpha; CD123 antigen; IL-3R subunit alpha; IL-3 receptor subunit alpha; IL-3 receptor alpha SP2 isoform; IL3R; IL3RX; IL3RY; IL3RAY; hIL-3Ra; M

Gene ID

3563

mRNA Refseq

NM_002183

Protein Refseq

NP_002174

MIM

308385

UniProt ID

P26951

Chromosome Location

Xp22.3 and Yp13.3

Pathway

Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem;

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Hematopoietic cell lineage, conserved biosystem;

Function

interleukin-3 receptor activity; receptor activity;

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