

Recombinant Human IL3RA Protein, His-Avi-tagged, Biotinylated

Cat. No. IL3RA-156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human IL-3 R alpha, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Thr 19 - Arg 305 (Accession # P26951-1).
Species	Human
Source	HEK293
ProteinLength	Thr 19 - Arg 305
Description	Interleukin 3 receptor alpha (low affinity) (IL3RA), also known as CD123 (Cluster of Differentiation 123) is a 70-kD glycoprotein member of the hematopoietin receptor superfamily. This protein associates with a beta subunit common to the receptors for IL-5 and granulocyte-macrophage colony-stimulating factor (GM-CSF) to form a high-affinity receptor for IL-3. The interleukin-3 receptor α chain (CD123) has been identified as a potential immunotherapeutic target because it is overexpressed in AML compared with normal hematopoietic stem cells.
Predicted N Terminal	Thr 19
Form	Lyophilized from 0.22 μ m filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	The protein has a calculated MW of 36.7 kDa. The protein migrates as 50-65 kDa under reducing (R) condition (SDS-PAGE).

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20°C or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	IL3RA interleukin 3 receptor, alpha (low affinity) [Homo sapiens]
Official Symbol	IL3RA
Synonyms	IL3R; IL3RA; IL-3Ra; IL-3R-alpha; IL3RAY; IL3RX; IL3RY; CD123 antigen; CD123; hIL3Ra; hIL-3Ra; MGC34174; IL-3 R alpha
Gene ID	3563
mRNA Refseq	NM_002183
Protein Refseq	NP_002174

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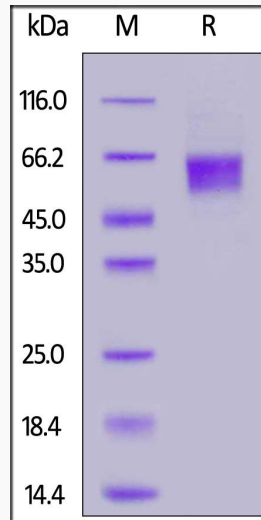
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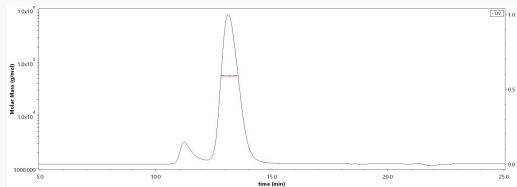
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UniProt ID P26951

SDS-PAGE



SEC-MALS

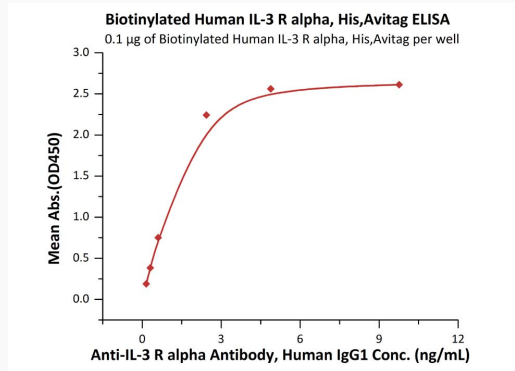


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Bioactivity-ELISA



Immobilized Biotinylated Human IL-3 R alpha, His,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate, can bind Anti-IL-3 R alpha Antibody, Human IgG1 with a linear range of 0.2-1 ng/mL.

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