

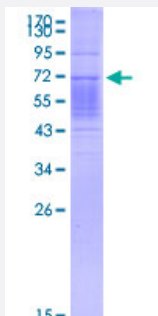
HuPro®

IL3RA (Human) Recombinant Protein

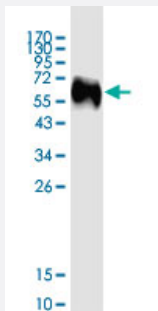
Catalog # H00003563-H01

Size 25 ug

Applications



SDS-PAGE Gel



Western Blot

Specification

Product Description

Purified IL3RA (NP_002174.1, 19 a.a. - 305 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells.

Transfected Cell Line

Human HEK293H cells

Sequence

TKEDPNPPITNLRMKAKAQLTWDLNRNVTDIECVKDADYSMPAVNNSYCQFGAISLCEVTNYTV
RVANPPFSTWILFPENSGKPWAGAENLTCWIHDVDFLSCSWAVGPGAPADVQYDLYLNVANRR
QQYECLHYKTDAQGTRIGCRFDDISRLSSGSQSSHILVRGRSAAFVIPCTDKFVVFSQIEILTPPNM
TAKCNKTHSFMHWKMRSHFNRKFRYELQIQKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERV
YEFLSAWSTPQRFECDDQEEGANTRAWR

Host

Human

Theoretical MW (kDa)

34.65

Interspecies Antigen Sequence	Mouse (30); Rat (31)
Form	Liquid
Preparation Method	Transfection of pSuper-IL3RA plasmid into HEK293H cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
Purification	<i>Strep</i> -Tactin affinity columns
Concentration	≥ 10 ug/ml
Quality Control Testing	SDS-PAGE and Western Blot SDS-PAGE Gel Western Blot
Storage Buffer	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

Gene Info — IL3RA

Entrez GeneID	3563
GeneBank Accession#	NM_002183.2
Protein Accession#	NP_002174.1
Gene Name	IL3RA
Gene Alias	CD123, IL3R, IL3RAY, IL3RX, IL3RY, MGC34174, hIL-3Ra
Gene Description	interleukin 3 receptor, alpha (low affinity)
Omim ID	308385 430000

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. [provided by RefSeq]

Other Designations

CD123 antigen|Interleukin-3 receptor|OTTHUMP00000022828|interleukin 3 receptor, alpha

Pathway

- [Apoptosis](#)
- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Chorioamnionitis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Schizophrenia](#)
- [Thyroid Neoplasms](#)