

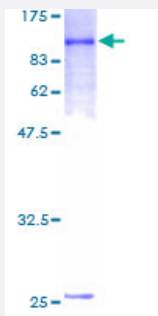
Full-Length

IL21R (Human) Recombinant Protein (P01)

Catalog # H00050615-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IL21R full-length ORF (AAH04348, 1 a.a. - 538 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPRGWAAPLLLLLLQGGWGCPDLVCYTDYLQTVICILEMWNLHPSTLTWQDQYEELKDEATSC
SLHRSAHNATHATYCHMDVFHFMAADDIFSVNITDQSGNYSQECGSFLLAESIKPAPPFNVTFTS
GQYNISWRSDYEDPAFYMLKGKLQYELQYRNRGDPWAVSPRRKLISVDSRSVSLLPLEFRKDSSY
ELQVRAGPMPGSSYQGTWSEWSDPVIFQTQSEELKEGWNPHLLLLLLVVFIPAFWSLKTHTPLW
RLWKKWAVPSPERFFMPLYKGCSDGDFKKWVGAPFTGSSLELGPWSPEVPSTLEVYSCHPPRS
PAKRLQLTELQEPALVESDGVPKPSFWPTAQNSGGSAYSEERDRPYGLVSDITVTVLDAEGPC
TWPCSCEDDGYPALDLDAGLEPSPGLEDLLDAGTTVLSCGCVSAGSPGLGGPLGSLLDRLKP
PLADGEDWAGGLPWGGRSPGGVSESEAGSPLAGLDMDTFDSGFVGSDCSSPVECDFTSPGD
EGPPRSYLRQWVVIPPLSSPGPQAS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.92

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IL21R

Entrez GeneID[50615](#)**GeneBank Accession#**[BC004348](#)**Protein Accession#**[AAH04348](#)**Gene Name**

IL21R

Gene Alias

MGC10967, NILR

Gene Description

interleukin 21 receptor

Omim ID[147050 605383](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]

Other Designations

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Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Cerebral Hemorrhage](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Encephalomyelitis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Osteoporosis](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)