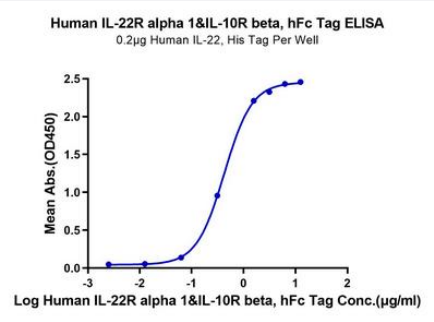
Bioactive HuPro®

IL22RA1/IL10RB (Human) Recombinant Protein

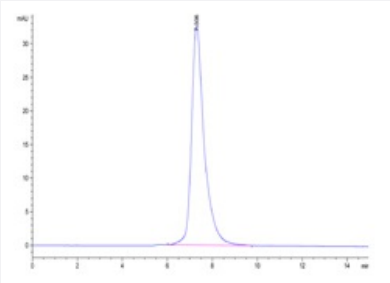
Catalog # P9753 Size 100 ug

Applications



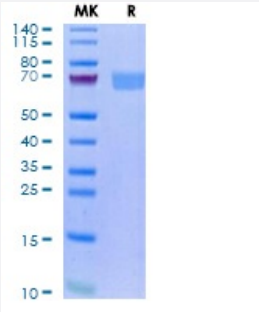
Enzyme-linked Immunoabsorbent Assay

Immobilized Human IL-22, His Tag at 2 ug/mL (100 uL/well) on the plate. Dose response curve for Human IL-22R alpha 1 & IL-10R beta, hFc Tag with the EC50 of 0.42 ug/mL determined by ELISA.



SEC-HPLC

The purity of Human IL-22R alpha 1&IL-10R beta is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human IL-22R alpha 1&IL-10R beta on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human IL22RA1	IL10RB (Q8N6P7|Q08334, His16-Thr228 | Met20-Ser220) partial recombinant protein with hFc-Avi tag at C-terminus expressed in HEK293 cells.

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Sequence	His16-Thr228 | Met20-Ser220
Host	Human
Theoretical MW (kDa)	52.07
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human IL-22R alpha 1&IL-10R beta is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human IL-22R alpha 1&IL-10R beta on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4 (8% trehalose)
Storage Instruction	Store at -80°C for 12 month. After reconstitution with deionized water, store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human IL-22, His Tag at 2 ug/mL (100 uL/well) on the plate. Dose response curve for Human IL-22R alpha 1 & IL-10R beta, hFc Tag with the EC50 of 0.42 ug/mL determined by ELISA.
- SDS-PAGE

Gene Info — IL10RB

Entrez GeneID	3588

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Protein Accession#	Q8N6P7(IL-22R alpha 1) | Q08334(IL-10R beta)
Gene Name	IL10RB
Gene Alias	CDW210B, CRF2-4, CRFB4, D21S58, D21S66, IL-10R2
Gene Description	interleukin 10 receptor, beta
Omim ID	123889 610424
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the cytokine receptor family. It is an accessory chain essential for the active interleukin 10 receptor complex. Coexpression of this and IL10RA proteins has been shown to be required for IL10-induced signal transduction. This gene and three other int erferon receptor genes, IFAR2, IFNAR1, and IFNGR2, form a class II cytokine receptor gene clust er located in a small region on chromosome 21. [provided by RefSeq
Other Designations	cytokine receptor class-II CRF2-4|cytokine receptor family II, member 4

Gene Info — IL22RA1

Entrez GeneID	58985
Protein Accession#	Q8N6P7(IL-22R alpha 1) | Q08334(IL-10R beta)
Gene Name	IL22RA1
Gene Alias	CRF2-9, IL22R, IL22R1
Gene Description	interleukin 22 receptor, alpha 1
Omim ID	605457
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the class II cytokine receptor family, and has been sh own to be a receptor for interleukin 22 (IL22). IL22 receptor is a protein complex that consists of th is protein and interleukin 10 receptor, beta (IL10BR/CRFB4), a subunit also shared by the recept or complex for interleukin 10 (IL10). This gene and interleukin 28 receptor, alpha (IL28RA) form a cytokine receptor gene cluster in the chromosomal region 1p36. [provided by RefSeq
Other Designations	OTTHUMP00000003073

Pathway

- Cytokine-cytokine receptor interaction

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- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Jak-STAT signaling pathway

Disease

- Asthma
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Chronic Disease
- Connective Tissue Diseases
- Diabetes Mellitus
- Edema
- Esophagitis
- Fetal Diseases
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Hematologic Diseases
- Hepatitis B
- Hodgkin Disease
- Hyperparathyroidism
- Infant
- Infection
- Inflammation

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- Lung Neoplasms
- Lymphoproliferative Disorders
- Measles
- Multiple Myeloma
- Mumps
- Musculoskeletal Diseases
- Occupational Diseases
- Pain
- Pregnancy Complications
- Premature Birth
- Radiation Injuries
- Radiation Pneumonitis
- Respiratory Syncytial Virus Infections
- Rhinitis
- Rubella
- Scleroderma
- Sinusitis
- Skin Diseases
- Vaginosis
- Waldenstrom Macroglobulinemia
- Werner syndrome

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