HuPro®

IL5RA (Human) Recombinant Protein

Catalog # P7639 Size 10 ug

Specification

Product Description	Human IL5RA (Q01344, 21 a.a. - 335 a.a.) partial recombinant protein with His tag at C-terminus expressed in Human cells.
Sequence	DLLPDEKISLLPPVNFTIKVTGLAQVLLQWKPNPDQEQRNVNLEYQVKINAPKEDDYETRITESKCV TILHKGFSASVRTILQNDHSLLASSWASAELHAPPGSPGTSIVNLTCTTNTTEDNYSRLRSYQVSLH CTWLVGTDAPEDTQYFLYYRYGSWTEECQEYSKDTLGRNIACWFPRTFILSKGRDWLAVLVNGSS KHSAIRPFDQLFALHAIDQINPPLNVTAEIEGTRLSIQWEKPVSAFPIHCFDYEVKIHNTRNGYLQIEK LMTNAFISIIDDLSKYDVQVRAAVSSMCREAGLWSEWSQPIYVGNDE
Host	Human
Theoretical MW (kDa)	45-60
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — IL5RA

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Entrez GeneID	3568
Protein Accession#	Q01344
Gene Name	IL5RA
Gene Alias	CD125, CDw125, HSIL5R3, IL5R, MGC26560
Gene Description	interleukin 5 receptor, alpha
Omim ID	147851
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine r eceptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing bet a subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CS F), and interleukin 5 (IL5). The binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This pr otein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Six alternatively spliced transcript variants e ncoding three distinct isoforms have been reported. [provided by RefSeq
Other Designations	CD125 antigen|OTTHUMP00000115257|OTTHUMP00000115373|interleukin 5 receptor type 3|i nterleukin-5 receptor alpha chain|interleukin-5 receptor alpha subunit

Pathway

- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage
- Jak-STAT signaling pathway

Disease

- Asthma
- Atherosclerosis
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Carcinoma

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- Cardiovascular Diseases
- Chlamydia Infections
- Chorioamnionitis
- Chronic Disease
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Mellitus
- Edema
- Eosinophilia
- Esophagitis
- Fetal Membranes
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Kidney Failure
- Lung Neoplasms
- Migraine Disorders
- Multiple Sclerosis
- Obesity
- Obstetric Labor
- Osteoporosis

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- Pre-Eclampsia
- Premature Birth
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Syncytial Virus Infections
- Rhinitis
- Stroke
- Trachoma

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