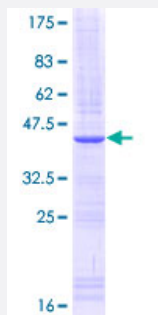


IL15RA (Human) Recombinant Protein (Q01)

Catalog # H00003601-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human IL15RA partial ORF (NP_002180, 31 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ITCPPPMSVEHADIMVKSYSLYSRERYICNSGFKRKAGTSSLTECVLNKATNVAHWTTPSLKCIRD PALVHQRPPAPSTVTTAGVTPQPESLSPSGKEPA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (76); Rat (75)
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 — IL15RA

Entrez GeneID [3601](#)

GeneBank Accession# [NM_002189](#)

Protein Accession# [NP_002180](#)

Gene Name IL15RA

Gene Alias MGC104179

Gene Description interleukin 15 receptor, alpha

Omim ID [601070](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a cytokine receptor that specifically binds IL15 with high affinity. The receptors of IL15 and IL2 share two subunits, the IL2R beta and IL2R gamma chains. This forms the basis of many overlapping biological activities of IL15 and IL2. The IL2 receptor requires an additional IL2-specific alpha subunit for high affinity IL2 binding. This protein is structurally related to IL2R alpha, but is capable of binding IL15 with high affinity independent of other subunits, which suggests the distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported. The full length sequences of only two variants encoding distinct isoforms are available. [provided by RefSeq]

Other Designations OTTHUMP00000019021|OTTHUMP00000019022

Pathway

- [Cytokine-cytokine receptor interaction](#)

- [Jak-STAT signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Syndrome](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)