

IL7R (Human) Recombinant Protein

Catalog # P8308 Size 5 ug

Specification

Product Description	Human IL7R (P16871, 21 a.a. - 239 a.a.) partial recombinant protein with His tag at C-terminus expressed in Sf9 cells.
Sequence	ADLESGYAQNGLDEDAELDDYSFSCYSQLEVNGSQHSLTCAFEDPDVNITNLEFEICGALVEVKC LNFRKLQEIFYETKKFLLIGKSNICVKVGEKSLTCKKIDLTIMKPEAPFDLSVVYREGANDFVVTFN TSHLQKKYVKVLMHDDVAYRQEKDENKWTHVNLSSSTKLTLQRKLQPAAMYEIKVRSIPDHYFKGF WSEWSPSYFRTPEINNSSGEMDLEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISR TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESN GQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK HHHHHH
Host	insect
Theoretical MW (kDa)	52.5
Form	Liquid
Preparation Method	Sf9 cell expression system
Purity	> 90% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — IL7R

Entrez GeneID [3575](#)

Protein Accession# [P16871](#)

Gene Name IL7R

Gene Alias CD127, CDW127, IL-7R-alpha, IL7RA, ILRA

Gene Description interleukin 7 receptor

Omim ID [146661](#) [600802](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a receptor for interleukine 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in the V(D)J recombination during lymphocyte development. This protein is also found to control the accessibility of the TCR gamma locus by STAT5 and histone acetylation. Knockout studies in mice suggested that blocking apoptosis is an essential function of this protein during differentiation and activation of T lymphocytes. The functional defects in this protein may be associated with the pathogenesis of the severe combined immunodeficiency (SCID). [provided by RefSeq]

Other Designations CD127 antigen|interleukin 7 receptor alpha chain

Pathway

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

Disease

- [Arthritis](#)
- [Asthma](#)

- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Helicobacter Infections](#)
- [HIV Infections](#)
- [Hyperparathyroidism](#)
- [Kaposi Varicelliform Eruption](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphomatoid Granulomatosis](#)
- [Lymphopenia](#)
- [Multiple Sclerosis](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Hypersensitivity](#)
- [Sarcoidosis](#)
- [Severe combined immunodeficiency](#)
- [Stomach Neoplasms](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)

- [Werner syndrome](#)