

Recombinant Full Length Human IL7R Protein

Cat. No. IL7R-5698HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL7R full-length ORF (AAH67539.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	162 amino acids
Description	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]
Form	Liquid
Molecular Mass	51.5 kDa
AA Sequence	MTILGTTFGMVFSLLQVVSGESGYAQNGDLEDAELDDYTFSCYSQLEVNGSQHSLT CAFEDPDVNTTNLEFEICGALVEVKCLNFRKLQEIYFIETKKFLLIGKSNICVKVGEKSL

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TCKKIDLTIVKPEAPFDLSVIYREGANDFVVTENTSHLQKKYVKVLMHDVAYRQEKD
 ENKWTHVNLSSSTKLTLQRKLQPAAMYEEKVRSIPDHYFKGFSEWSPSYFRTPEI
 NNSSGEMDPILLTISILSFFSVALLVILACVLWKKRIKPIVWPSLPDHKKTLEHLCKKPR
 KNLNVSFNPESFLDCQIHRVDDIQARDEVEGFLQDTFPQQLEESEKQRLGGDVQSP
 NCPSEDVVITPESFGRDSSLTCLAGNVSACDAPILSSSGSLDCRESGKNGPHVYQDL
 LLSLGTNSTLPPPSLQSGILTLNPVAQGGQPILTSLSNQEAYVTMSSFYQNNQ

Applications

Antibody Production
 Functional Study
 Compound Screening

Notes

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

Storage

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

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name

[IL7R interleukin 7 receptor \[Homo sapiens \]](#)

Official Symbol

[IL7R](#)

Synonyms

IL7R; interleukin 7 receptor; interleukin-7 receptor subunit alpha; CD127; IL-7RA;
 CD127 antigen; IL-7R subunit alpha; IL-7 receptor subunit alpha; interleukin 7
 receptor alpha chain; interleukin 7 receptor isoform H5-6; ILRA; IL7RA; CDW127; IL-
 7R-alpha;

Gene ID

[3575](#)

mRNA Refseq

[NM_002185](#)

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Protein Refseq	NP_002176
MIM	146661
UniProt ID	P16871

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