

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	<p>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</p>
Form	Liquid
Molecular Mass	51.5 kDa
AA Sequence	MTILGTTFGMVFSLLQVVSGESGYAQNGDLEDAELDDYTFSCYSQLEVNGSQHSLT CAFEDPDVNTTNLEFEICGALVEVKCLNFRKLQEIYFIETKKFLLIGKSNICVKVGEKSL

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TCKKIDLTIVKPEAPFDLSVIYREGANDFVVTFNNTSHLQKKYVKVLMHDVAYRQEKD
 ENKWITHVNLSSSTKLTLQRKLQPAAMYKIKVRSIPDHYFKGFSEWSPSYFRTPEI
 NNSSGEMDPILLTISILSFFSVALLVILACVLWKKRIKPIVWPSLPDHKKTLEHLCKKPR
 KNLNVSFNPESFLDCQIHRVDDIQARDEVEGFLQDTFPQQLEESEKQRLGGDVQSP
 NCPSEVVITPESFGRDSSLTCLAGNVSACDAPILSSSGSLDCRESGKNGPHVYQDL
 LLSLGTNSTLPPFSLQSGILTLNPVAQGGPILTSLGSNQEEAYVTMSSFYQNQ

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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