

Recombinant Full Length Human IL7R Protein, GST-tagged

Cat. No. IL7R-5701HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL7R full-length ORF (AAH67539.1, 1 a.a. - 459 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	459 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
Molecular Mass	77.9 kDa
AA Sequence	MTILGTTFGMVFSLLQVVSGESGYAQNGDLEDAELDDYTFSCYSQLEVNGSQHSLT CAFEDPDVNTTNLEFEICGALVEVKCLNFRKLQEIYFIETKKFLLIGKSNICVKVGEKSL TCKKIDLTIVKPEAPFDLSVIYREGANDFVVTFTNTSHLQKKYVKVLMHDVAYRQEKD

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ENKWTHVNLSSTKLTLQQRKLQPAAMYEIKVRSIPDHYFKGFWSEWSPSYFFRTPEI
 NNSSGEMDPILLTISILSFFSVALLVILACVLWKKRIKPIVWPSLPDHKKTLEHLCKKPR
 KNLNVSFNPESFLDCQIHRVDDIQARDEVEGFLQDTFPQQLEESEKQRLGGDVQSP
 NCPSVDVITPESFGRDSSLTCLAGNVSACDAPILSSSGSLDCRESGKNGPHVYQDL
 LLSLGTNSTLPPPFSLQSGILTLNPVAQGQPILTSLSNQEAYVTMSSFYQNNQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

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 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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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