

Recombinant Full Length Human IL7R Protein, C-Flag-tagged

Cat. No. IL7R-1471HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IL7R Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a receptor for interleukin 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 interleukins 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in V(D)J recombination during lymphocyte development. Defects in this gene may be associated with severe combined immunodeficiency (SCID). Alternatively spliced transcript variants have been found.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.4 kDa
AA Sequence	MTILGTTFGMVFSLLQVVSGESGYAQNGDLEDAELDDYSFSCYSQLEVNGSQHSLT CAFEDPDVNITNLE FEICGALVEVKCLNFRKLQEIYFIETKKFLLIGKSNICVKVGEKSL TCKKIDLTITVKPEAPFDLSVIYR EGANDFVVTFNTSHLQKKYVKVLMHVDVAYRQEK DENKWTHVNLSSTKLTLLQRKLQPAAMYEIKVRSIPD HYFKGFWSEWSPSYFFRTP EINNSSGEMDPILLTISILSFFSVALLVILACVLWKKRIKPIVWPSLPDHK KTLHLCKK PRKNLNVSFNPESFLDCQIHRVDDIQARDEVEGFLQDTFPQQLEESEKQRLGGDVQ

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SPNCP SEDVVITPESFGRDSSLTCLAGNVSACDAPILSPSRSLDCRESGKNGPHVY
QDLLLLSLGTTNSTLPPFS
LQSGILTLNPVAQGQPILTSLGSNQEEAYVTMSSFYQNQTRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway, Primary immunodeficiency
Full Length	Full L.

GENE INFORMATION

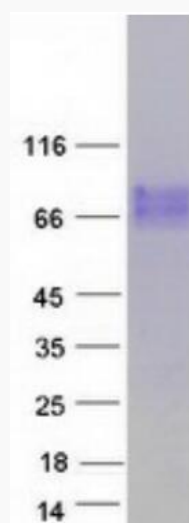
Gene Name	IL7R interleukin 7 receptor [Homo sapiens (human)]
Official Symbol	IL7R
Synonyms	ILRA; CD127; IL7RA; CDW127; IMD104; Inc-IL7R; IL-7R-alpha

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Gene ID	3575
mRNA Refseq	NM_002185.5
Protein Refseq	NP_002176.2
MIM	146661
UniProt ID	P16871



Coomassie blue staining of purified IL7R protein.