

Product datasheet for **TP309687L**

IL7R alpha (IL7R) (NM_002185) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 7 receptor (IL7R), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209687 protein sequence Red =Cloning site Green =Tags(s)

MTILGTTFGMVFSLQVWSGESGYAQNGLLEDAELDDYSFSCYSQLEVNQSQHSLTCAFEDPDVNITNLE
FEICGALVEVKCLNFRKLQEIYFIETKKFLLIGKSNICVKVGEKSLTCKKIDLTIVKPEAPFDLSVIYR
EGANDFVTFNTSHLQKKYVKVLMHDAVYRQEKDENKWITHVNLSSTKLTLQRKLQPAAMYEIKVRSIPD
HYFKGFWSEWSPSYFRTPPEINNSSGEMDPILLTISILSFFSVALLVILACVLWKKRIKPIVWPSLPDHK
KTLEHLCKKPRKNLNVSNPESFLDCQIHRVDDIARDEVEGFLQDTFFPQQLEESEKQRLGGDVQSPNCP
SEVVITPESFGRDSSLTCLAGNVSACDAPILSPSRSLDCRESGKNGPHVYQDLLLSLGTNTSTLPPPF
LQSGILTLPVAQGGPILTSLSGNQEEAYVTMSSFYQNNQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	49.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002176</u>



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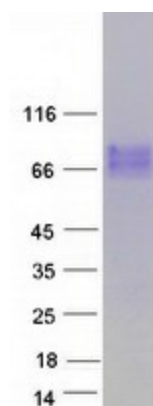
Locus ID:	3575
UniProt ID:	P16871
RefSeq Size:	4617
Cytogenetics:	5p13.2
RefSeq ORF:	1377
Synonyms:	CD127; CDW127; IL-7R-alpha; IL7RA; ILRA

Summary: 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. [provided by RefSeq, Dec 2015]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway, Primary immunodeficiency

Product images:



Coomassie blue staining of purified IL7R protein (Cat# [TP309687]). The protein was produced from HEK293T cells transfected with IL7R cDNA clone (Cat# [RC209687]) using MegaTran 2.0 (Cat# [TT210002]).