

Product datasheet for PH309687

IL7R alpha (IL7R) (NM_002185) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IL7R MS Standard C13 and N15-labeled recombinant protein (NP_002176)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209687
Predicted MW:	51.6 kDa
Protein Sequence:	>RC209687 protein sequence Red=Cloning site Green=Tags(s)
	<p>MTILGTTFGMVFSLLQVVSAGESGYAQNGLEDAELDDYSFSCYSQLEVNQSQHSLTCAFEDPDVNITNLE FEICGALVEVKCLNFRKLQEIYFIETKKFLLIGKSNICVKVGEKSLTCKKIDLTTIVKPEAPFDLSVIYR EGANDFVVTFNLSHLQKKYVKVLMHDVAYRQEKDENKWTNVNLSSTKLTLQRKLQPAAMYIIVKRSIPD HYFKGFWEWSPSYFRTPPEINNSSGEMDPILLTISILSFFSVALLVILACVLWKKRIKPIVWPSLPDHK KTLEHLCKKPRKLNVSFNPEFSLDCQIHRVDDIQARDEVEGFLQDTPPQQLEESEKQRLGGDVQSPNCP SEDDVITPESFGRDSSLTCLAGNVSACDAPILSPSRSLDCRESGKNGPHVYQDLLLLSLGTTNSTLPPPF LQSGILTLNPVAQGQPILTSLGNSNQEEAYVTMSSFYQNG</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002176
RefSeq Size:	4617
RefSeq ORF:	1377
Synonyms:	CD127; CDW127; IL-7R-alpha; IL7RA; ILRA



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Locus ID: 3575

UniProt ID: [P16871](#)

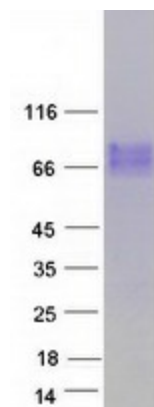
Cytogenetics: 5p13.2

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]).