
Product Data Sheet

Product Name: IL21R Human
 Cat. No.: GP20619
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 21 Receptor; Novel Interleukin Receptor; IL-21 Receptor; NILR; Interleukin-21 Receptor; CD360 Antigen; IL-21R; CD360.		
Amino Acid Sequence	CPDLVCYTDY LQTVICILEM WNLHPSTLTL TWQDQYEELK DEATSCSLHR SAHNATHATY TCHMDVHFHM ADDIFSVNIT DQSGNYSQEC GSFLLAESIK PAPPFNVTVT FSGQYNISWR SDYEDPAFYM LKGKLQYELQ YRNRGDPWAV SPRRKLISVD SRSVSLLPLE FRKDSSYELQ VRAGPMPGSS YQGTWSEWSD PVIFQTQSEE LKEVEHHHHH H		
Formulation	IL21R protein solution (1mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

Interleukin-21 receptor, also known as IL21R is a member of the type I cytokine receptors family. IL21R forms a heterodimeric receptor complex with the common gamma-chain, a receptor subunit which is also shared by the receptors for interleukin 2, 4, 7, 9, and 15. Furthermore, IL21 receptor transduces the growth promoting signal of IL21, and is significant for the proliferation as well as differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of IL21 receptor leads to the activation of numerous downstream signaling molecules, including JAK1, JAK3, STAT1, as well as STAT3.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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IL21R produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (20-232 a.a.) and fused to an 8 aa His Tag at C-terminus containing a total of 221 amino acids and having a molecular mass of 25.6kDa. IL21R shows multiple bands between 28-40kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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