
Product Data Sheet

Product Name: IL7R Human
 Cat. No.: GP20535
 Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms IL7R; Interleukin 7 Receptor; IL-7 Receptor Subunit Alpha; IL-7R Subunit Alpha; CD127 Antigen; IL-7R-Alpha; CDW127; Interleukin-7 Receptor Subunit Alpha; Interleukin 7 Receptor Isoform H5-6; Interleukin 7 Receptor Alpha Chain; IL-7RA; CD127; IL7RA; ILRA.

Amino Acid Sequence
 ADLESGYAQN GDLEDAELDD YSFSCYSQLE VNGSQHSLTC AFEDPDVNIT
 NLEFEICGAL VEVKCLNFRK LQEIFYIETK KFLGIGKSNI CVKVGEKSLT
 CKKIDLTIV KPEAPFDLSV VYREGANDFV VTFNTSHLQK KYVKVLMHDV
 AYRQEKDENK WTHVNLSSSTK LTLQKRLQP AAMYIEIKVRS IPDHYFKGFW
 SEWSPSYFR TPEINNSSGE MDLEPKSCDK THTCPPCPAP ELLGGPSVFL
 FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR
 EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ
 PREPQVYTL PPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK
 TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSL
 LSPGKHHHHH H

Formulation IL7R protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

Interleukin-7 receptor (IL7R) is a hematopoietin receptor superfamily member. IL7R takes a vital part in lymphocyte differentiation, proliferation, multiple sclerosis, as well as survival. IL7R protein signaling is vital for T-cell development and regulation of native and memory T-cell homeostasis. Likewise, IL7R is critically needed for the proper function & development of lymphoid cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

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

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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

IL7R produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 461 amino acids (21-239a.a.) and having a molecular mass of 52.5kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). IL7R is expressed with an 242 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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