
Product Data Sheet

Product Name: IL15RA Human
 Cat. No.: GP20574
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Interleukin 15 Receptor Subunit Alpha; Interleukin 15 Receptor; Alpha; Interleukin 15 Receptor Alpha Isoform EM2; Interleukin 15 Receptor Alpha Isoform IC2; Interleukin 15 Receptor Alpha Isoform IC3; Interleukin 15 Receptor Alpha Isoform IC4; Interleukin 15 Receptor Alpha Isoform IC5; Interleukin 15 Receptor Alpha Isoform IC6; Interleukin 15 Receptor Alpha Isoform IC7; Interleukin 15 Receptor Alpha Isoform IC8; Interleukin-15 Receptor Subunit Alpha; IL-15 Receptor Subunit Alpha; CD215 Antigen; IL-15R-Alpha; IL-15RA; CD215.

Amino Acid Sequence
 ADPITCPPPM SVEHADIWVK SYLSYRERY ICNSGFKRKA GTSSLTECVL
 NKATNVAHWT TPSLKCIRDV ALVHQRPAAP STVTTAGVTP QPESLSPSGK
 EPAASSPSSN NTAATTAIV PGSQLMPSKS PSTGTTEISS HESSHGTPSQ
 TTAKNWELTA SASHQPPGVY PQGHSDTTLEPKSCDKTHTC PPCPAPELLG
 GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN
 AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI
 SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ
 PENNYKTTTPVLDSGDSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY
 TQKLSLSLSPG KHHHHHH

Formulation IL15RA protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

Introduction

IL15RA, also known as Interleukin 15 Receptor Alpha, is a high-affinity receptor for interleukin-15. IL15RA plays a role as a heterotrimer with the IL-2 receptor beta and gamma subunits to commence signal transduction. IL15/IL15R alpha complexes can transmit reverse signaling which promotes cellular adhesion, tyrosine phosphorylation of

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

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intracellular proteins, as well as cytokine secretion by the IL-15/IL15R alpha expressing cells.

Biological Activity

Determined by its ability to inhibit proliferation using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is < 2 ng/ml with Human IL-15.

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

IL15RA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (31-205 a.a.) and fused to a 242 a.a. hlgG-His Tag at C-terminus containing a total of 417 amino acids and having a molecular mass of 45.6kDa. IL15RA shows multiple bands between 57-70kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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