

## 32-6445: IL11RA Rat

**Alternative Name :** Interleukin-11 receptor subunit alpha, IL-11 receptor subunit alpha, IL-11R subunit alpha, IL-11R-alpha, IL-11RA, Il11ra1.

### Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

Interleukin 11 Receptor Subunit Alpha (IL11RA) which belongs to the hematopoietic cytokine receptor family is a receptor for interleukin-11. Interleukin 11 is a stromal cell-derived cytokine which is a member of a family of pleiotropic and redundant cytokines that employ the gp130 transducing subunit in their high affinity receptors. This specific receptor is quite similar to ciliary neurotrophic factor, since both contain an extracellular region with a two-domain structure composed of an immunoglobulin-like domain and a cytokine receptor-like domain. The receptor systems for IL6, LIF, OSM, CNTF, IL11 and CT1 are able to utilize IL6ST for initiating signal transmission. The IL11/IL11RA/IL6ST complex is involved in the control of proliferation and/or differentiation of skeletogenic progenitor or additional mesenchymal cells.

Interleukin 11 Receptor Subunit Alpha Rat Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 356 amino acids (24-371a.a.) and having a molecular mass of 39.2kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).IL11RA is fused with an 8 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	1 µg / 5 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	IL11RA protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	TPCPQAWGPP GVQYGQPGRP VMLCCPGVNA GTPVSWFRDG DSRLQGPDS GLGHRVLVAQ VDSRDEGTIV CRTLDGVFVG MVLTKLGSP ARPEVSCQAV DYENFSCTWS PGRVSGLPTR YLTSYRKCTL PGAESQRESP STGPWPCPD PLEASRCVH GAEFWSEYRI NVTEVNPLGA STCLLDVRLQ RILRPDPPQG LRVESVPGYP RRLHASWTYP ASWRRQPHFL LKFRLQYRPA QHPAWSTVEP IGLEELITDA VAGLPHAVRV SARDFLDAGT WSAWSPEAWG TPSTGPLRDE VPDGSRGHEQ KLEAAAQEDS PAPPSPSLQP DPRPLDHRDP LEQVAVLAVE HHHHHH.