
Product Data Sheet

Product Name: IL11RA Rat
 Cat. No.: GP20549
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-11 receptor subunit alpha; IL-11 receptor subunit alpha; IL-11R subunit alpha; IL-11R-alpha; IL-11RA; Il11ra1.		
Amino Acid Sequence	TPCPQAWGPP GVQYGQPGRP VMLCCPGVNA GTPVSWFRDG DSRLQLQGPDS GLGHRLVLAQ VDSRDEGTYV CRTLDGVFVG MVTLKLGSP ARPEVSCQAV DYENFSCTWS PGRVSGLPTR YLTSYRKKTL PGAESQRESP STGPWPCPD PLEASRCVH GAEFWSEYRI NVTEVNPLGA STCLLDVRLQ RILRPDPPQG LRVESVPGYP RRLHASWTYP ASWRRQPHFL LKFRQLQYRPA QHPAWSTVEP IGLEELITDA VAGLPHAVRV SARDFLDAGT WSAWSPEAWG TPSTGPLRDE VPDGSRGHEQ KLEAAQEDS PAPPSPSLQP DPRPLDHRDP LEQVAVLAVE HHHHHH.		
Formulation	IL11RA protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol.		

Introduction

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.

Stability

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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

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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA