
Product Data Sheet

Product Name: IL2RG Human
 Cat. No.: GP20485
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 2 Receptor Gamma; IL-2 Receptor Subunit Gamma; IL-2R Subunit Gamma; CD132 Antigen; SCIDX1; IL-2RG; GammaC; SCIDX; IMD4; P64; Cytokine Receptor Common Subunit Gamma; Common Cytokine Receptor Gamma Chain; Interleukin-2 Receptor Subunit Gamma; Combined Immunodeficiency X-Linked; Severe Combined Immunodeficiency; CD132; CIDX; IL2RG.		
Amino Acid Sequence	LNTTILTPNG NEDTTADFFL TTMPDLSLV STLPLPEVQC FVFNVEYMNC TWNSSSEPQP TNLTLHYWYK NSDNDKVQKC SHYLFSEEIT SGCQLQKKEI HLYQTFVVQL QDPREPRRQA TQMLKLQNLV IPWAPENLTL HKLSESQLEL NWNNRFLNHC LEHLVQYRTD WDHSWTEQSV DYRHKFSLPS VDGQKRYTFR VRSRFNPLCG SAQHWSEWSH PIHWGSNTSK ENPFLFALEA HHHHHH.		
Formulation	IL2RG protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4).		

Introduction

Interleukin-2 Receptor Gamma (IL2RG) is a cytokine receptor sub-unit which is common to the receptor complexes for at least six different interleukin receptors. IL2RG is located on the surface of immature blood-forming cells in bone marrow. One end of the IL2RG protein resides outside of the cell where it binds to cytokines and the other end of the IL2RG protein resides in the interior of the cell where it transmits signals to the cell's nucleus. IL2RG teams up with other proteins to direct blood-forming cells to form lymphocytes. In addition, IL2RG directs the growth and maturation of lymphocyte subtypes, which kill viruses, make antibodies, and help regulate the entire immune system.

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

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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). Please avoid freeze thaw cycles.

Background

IL2RG Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 246 amino acids (23-262 a.a.) and having a molecular mass of 29kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). IL2RG is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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