
Product Data Sheet

Product Name: IL10RA Human
 Cat. No.: GP20544
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 10 Receptor; Alpha; IL10R; Interleukin-10 Receptor Subunit 1; IL-10 Receptor Subunit Alpha; IL-10R Subunit Alpha; IL-10R Subunit 1; CDW210A; IL-10R1; IL-10RA; Interleukin-10 Receptor Subunit Alpha; Interleukin-10 Receptor Alpha Chain; CD210 Antigen; HIL-10R; CD210a; CD210; IBD28; IL10RA.		
Amino Acid Sequence	HGTELPSPPS VWFEAEFFHH ILHWTPIPNQ SESTCYEVAL LRYGIESWNS ISNCSQTL SY DLTAVTL DLY HSNGYR RVR AVDGSRHSNW TVTNTRFSVD EVTLTVG SVN LEIHNGFILG KIQLPRPKMA PANDTYESIF SHFREYEIAI RKVPGNFTFT HKKVKHENFS LLTSGEVGEF CVQVKPSVAS RSNKGMWSKE ECISLTRQYF TVTNHHHHHH		
Formulation	The IL10RA protein solution (0.2mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

IL10 is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

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%

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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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL10RA Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 220 amino acids (22-235 a.a.) and having a molecular mass of 25.2kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions). IL10RA is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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