
Product Data Sheet

Product Name: IL1R1 Human
 Cat. No.: GP20469
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-1 receptor type 1; IL1R1; Interleukin-1 receptor type 1; IL-1R-1; IL-1RT-1;IL-1RT1; CD121 antigen-like family member A; Interleukin-1 receptor alpha; IL-1R-alpha; Interleukin-1 receptor type I; p80; CD121a; Interleukin-1 receptor type 1; membrane form; mL-1R1; mL-1RI; Interleukin-1 receptor type 1; soluble form; sIL-1R1; sIL-1RI; IL1R; IL1RA; IL1RT1; IL1R1; IL1R1; CD121A; D2S1473.		
Amino Acid Sequence	DKCKEREEKI ILVSSANEID VRPCPLNPNE HSGTITWYKD DSKTPVSTEQ ASRIHQHKEK LWFVPAKVED SGHYVCVVRN SSYCLRIKIS AKFVENEPNL CYNAQAIFKQ KLPVAGDGGL VCPYMEFFKN ENNELPKLQW YKDCCKPLLLD NIHFSGVKDR LIVMNVAEKH RGNYTCHASY TYLGKQYPIT RVIEFITLEE NKPTRPVIVS PANETMEVDL GSQIQLICNV TGQLSDIAYW KWNGSVIDED DPVLGEDYYS VENPANKRRS TLITVLNISE IESRFYKHPF TCFANKTHGI DAAYIQLIYP VTNFQKLEHH HHHH.		
Formulation	IL1R1 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Interleukin-1 receptor type 1 (IL1R1) associates with the co-receptor IL1RAP to form the high affinity interleukin-1 receptor complex, which mediates interleukin-1-dependent activation of NF-kappa-B, MAPK and other pathways. IL1R1 is a central mediator involved in numerous cytokine induced immune and inflammatory responses.

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

IL1R1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 324 amino acids (21-336a.a.) and having a molecular mass of 37.4kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). IL1R1 is fused to 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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