
Product Data Sheet

Product Name: IL1RL1 Human
Cat. No.: GP20460
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-1 receptor-like 1; Protein ST2; IL1RL1; DER4; ST2; T1; ST2L; ST2V; FIT-1; MGC32623.		
Formulation	IL1RL1 protein solution is supplied in 25mM Sodium Acetate pH 4.8 and 50% glycerol.		

Introduction

The IL1RL1 gene is a member of the IL-1 receptor family, encoding a transmembrane protein with a structure similar to IL-1R1. IL1RL1 is a receptor for interleukin-33, its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. IL1RL1 may possibly be involved in helper T-cell function. IL1RL1 is highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon and small intestine. A soluble form of the IL1RL1 is produced from the same gene by alternative splicing and was shown to be expressed in several cell types including fibroblasts and mast cells. Soluble IL1RL1 also acts as a negative regulator of Th2 cytokine production and high levels have been reported in several disease states and conditions including asthma, sepsis and myocardial infarction. Analysis of the similar gene in mouse suggested that the IL1RL1 receptor can be induced by proinflammatory stimuli, and may be involved in the function of helper T cells.

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. Please avoid freeze thaw cycles.

Background

IL1RL1 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide

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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chain containing 310 amino acids fragment (19-328) corresponding to the soluble IL1RL1 coding sequence, having a molecular weight of 39.5kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The IL1RL1 is purified by proprietary chromatographic techniques.

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