SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human IL9R (Interleukin 9 receptor) Full Length

Cat. No.: **MPC4218K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human IL9R membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
IL9R

Protein Length
Full length

Protein Class
Receptor

TMD
1

Sequence
MGLGRCIWEGWTLESEALRRDMGTWLLACICICTCVCLGVSVTGEGQGPR
SRTFTCLTNNILRIDCHWSAPELGQGSSPWLLFTSNQAPGGTHKCILRGS
ECTVVLPPEAVLVPSDNFTITFHHCMSGREQVSLVDPEYLPRRHVKLDPP
SDLQSNISSGHCILTWSISPALEPMTTLLSYELAFKKQEEAWEQAQHRDH
IVGVTWLILEAFELDPGFIHEARLRVQMATLEDDVVEEERYTGQWSEWSQ
PVCFQAPQRQGPLIPPWGWPGNTLVAVSIFLLLTGPTYLLFKLSPRVKRI
FYQNVPSPAMFFQPLYSVHNGNFQTWMGAHGAGVLLSQDCAGTPQGALEP
CVQEATALLTCGPARPWKSVALEEEQEGPGTRLPGNLSSEDVLPAGCTEW
RVQTLAYLPQEDWAPTSLTRPAPPDSEGSRSSSSSSSSNNNNYCALGCYG
GWHLSALPGNTQSSGPIPALACGLSCDHQGLETQQGVAWVLAGHCQRPGL
HEDLQGMLLPSVLSKARSWTF

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

IL9R

Full Name

Interleukin 9 receptor

Introduction

The protein encoded by this gene is a cytokine receptor that specifically mediates the biological effects of interleukin 9 (IL9). The functional IL9 receptor complex requires this protein as well as the interleukin 2 receptor, gamma (IL2RG), a common gamma subunit shared by the receptors of many different cytokines. The ligand binding of this receptor leads to the activation of various JAK kinases and STAT proteins, which connect to different biologic responses. This gene is located at the pseudoautosomal regions of X and Y chromosomes. Genetic studies suggested an association of this gene with the development of asthma. Multiple pseudogenes on chromosome 9, 10, 16, and 18 have been described. Alternatively spliced transcript variants have been found for this gene.

Alternative Names

IL9R; CD129; IL-9R; interleukin-9 receptor; IL-9 receptor; Interleukin 9 receptor

Gene ID

3581

UniProt ID

Q01113

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