

Product Information

MemDX™ Membrane Protein Human IL3RA (Interleukin 3 receptor subunit alpha)

Cat. No.: **MP0154J**

This product is for research use only and is not intended for diagnostic use.

This product is a 41.2 kDa Human IL3RA membrane protein expressed in HEK293T. 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

IL3RA

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

41.2 kDa

TMD

1

Sequence

MVLLWLTL LLI ALPCLLQTKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADYSMPAVNNSYCQF
GAISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWIHDVDFLSCSWAVGPGAPADVQYDLYL
NVANRRQQYECLHYKTDAQGTRIGCRFDDISRLSSGSQSSHILVRGRSAAFIPCTDKFVVFSQIEILTP
PNMTAKCNKTHSFMHWKMRSHFNRKFRYELQIQKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYE
FLSAWSTPQRFECDDQEEGANTRAWRTSL LIALGTLLALVCVFICRRYLVMQRLFPRI PHMKDPIGDSFQ
NDKL VVWEAGKAGLEECLVTEVQVVQKT

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

IL3RA

Full Name

Interleukin 3 receptor subunit alpha

Introduction

The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3.

This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found.

Alternative Names

IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra

Gene ID

[3563](#)

UniProt ID

[P26951](#)