

## Product Information

### **MemDX™ Membrane Protein Human IL5RA (Interleukin 5 receptor subunit alpha) Expressed in Baculovirus/Insect expression system for Antibody Discovery, Partial (21-335aa)**

Cat. No.: **MPX0737K**

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

This product is a 38 kDa Human IL5RA membrane protein expressed in Baculovirus/Insect expression system. 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

IL5RA

##### Protein Length

Partial (21-335aa)

##### Protein Class

Receptor

##### Molecular Weight

38 kDa

##### TMD

1

##### Sequence

DLLPDEKISLLPPVNFTIKVTGLAQVLLQW  
KPNPDQEQRNVNLEYQVKINAPKEDDYETRITESKCVTILHKGFSASVRT  
ILQNDHSLASSWASAEHAPPGSPGTSIVNLTCTTNTTEDNYSRLRSYQ  
VSLHCTWLVGTDAPEDTQYFLYYRYGSWTEECQEYSKDTLGRNIACWFPR  
TFILSKGRDWLAVLVNGSSKHSAIRPFDQLFALHAIDQINPLNVTAIE  
GTRLSIQWEKPVSAFPIHCFDYEVKIHNTRNGYLQIEKLMTNAFISIIDD  
LSKYDVQVRAAVSSMCREAGLWSEWSQPIYVGND

#### Product Description

##### Activity

Yes

##### Expression Systems

Baculovirus/Insect expression system

**Protein Format**

Soluble

**Form**

LYOPH

**Reconstitution**

Reconstitute at 100 µg/mL in sterile PBS.

**Endotoxin**

<1.0 EU per 1 µg of the protein by the LAL method.

**Purity**

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain

**Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS.

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

IL5RA

**Full Name**

Interleukin 5 receptor subunit alpha

**Introduction**

The protein encoded by this gene is an interleukin 5 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 IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Several alternatively spliced transcript variants encoding four distinct isoforms have been reported.

**Alternative Names**

IL5RA; IL5R; CD125; CDw125; HSIL5R3; interleukin-5 receptor subunit alpha; CD125 antigen; IL-5 receptor subunit alpha; IL-5R subunit alpha; interleukin 5 receptor type 3; interleukin 5 receptor, alpha; interleukin-5 receptor alpha chain; Interleukin 5 receptor subunit alpha

**Gene ID**

[3568](#)

**UniProt ID**

[Q01344](#)