

# Product Information

## **MemDX™ Membrane Protein Human IL6R (Interleukin 6 receptor) Expressed in Yeast with 6xHis tag at the N-terminus for Antibody Discovery, Partial (20-365aa)**

Cat. No.: **MPX4358K**

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

This product is a 40.5kDa Human IL6R membrane protein expressed in Yeast. 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**

IL6R

#### **Protein Length**

Partial (20-365aa)

#### **Protein Class**

Receptor

#### **Molecular Weight**

40.5kDa

#### **TMD**

1

#### **Sequence**

LAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHPSRWAGMGRLLLLRSVQLHDSGNYSYRAGRPA

### Product Description

#### **Expression Systems**

Yeast

#### **Tag**

6xHis tag at the N-terminus

#### **Protein Format**

Soluble

#### **Form**

Liquid or Lyophilized powder

**Purity**

>90% as determined by SDS-PAGE

**Buffer**

Tris-based buffer, 50% glycerol

**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**

IL6R

**Full Name**

Interleukin 6 receptor

**Introduction**

This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been identified in this gene. A pseudogene of this gene is found on chromosome 9.

**Alternative Names**

IL6R; IL6Q; gp80; CD126; HIES5; IL-6R; IL6RA; IL6RQ; IL-1Ra; IL-6RA; IL6QTL; IL-6R-1; interleukin-6 receptor subunit alpha; CD126 antigen; IL-6 receptor subunit alpha; membrane glycoprotein 80; Interleukin 6 receptor

**Gene ID**

[3570](#)

**UniProt ID**

[P08887](#)