

# Product Information

## MemDX™ Membrane Protein Human IL6R (Interleukin 6 receptor) Full Length

Cat. No.: **MPC3003K**

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

This product is a made-to-order Human IL6R 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

IL6R

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGV  
EPEDNATVHWVLRKPAAGSHPSRWAGMGRRLLSVQLHDSGNYSCYRAG  
RPAGTVHLLVDVPPEEPQLSCFRKSPLSNVVCEWGPRSTPSLTTKAVLLV  
RKFSKQNSPAEDFQEPQCYSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGS  
KFSKTQTFQGCILQPDPPANITVTAVARNPRWLSVTWQDPHSWNSSFYR  
LRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ  
GEWSEWSPEAMGTPWTESRPPAENEVSTPMQALTNNKDDDNILFRDSAN  
ATSLPVQDSSSVPLPTFLVAGGSLAFGTLLCIAIVLRFKKTWKLRLALKEG  
KTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSHNRPDA  
RDPRSPYDISNTDYFFPR

### 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**

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](#)