

# Product Information

## MemDX™ Membrane Protein Human IL6 (Interleukin 6) Full Length

Cat. No.: **MPC1338K**

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

This product is a 51.5 kDa Human IL6 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

IL6

#### Protein Length

Full length

#### Protein Class

Receptor

#### Molecular Weight

51.5 kDa

#### TMD

1

#### Sequence

MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGV  
EPEDNATVHWVLRKPAAGSHPSRWAGMGRLLLLRSVQLHDSGNYSYRAG  
RPAGTVHLLVDVPPEEPQLSCFRKSPLSNVCEWGPRSTPSLTTKAVLLV  
RKFKQNSPAEDFQEPQCYSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGS  
KFSKTQTFQGCGLQPDPPANITVTAVARNPRWLSVTWQDPHSWNSSFYR  
LRFELRYAERSKTFTTWVMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ  
GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSAN  
ATSLPVQDSSSVPLPTFLVAGGSLAFGTLLCIAIVLRFKKTWKLRLKEG  
KTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSHNRPA  
RDPRSPYDISNTDYFFPR

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

### **Protein Format**

Detergent or based on specific requirements

### **Form**

Liquid

### **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**

IL6

### **Full Name**

Interleukin 6

### **Introduction**

This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2).

### **Alternative Names**

IL6; CDF; HGF; HSF; BSF2; IL-6; BSF-2; IFNB2; IFN-beta-2; interleukin-6; B-cell differentiation factor; B-cell stimulatory factor 2; CTL differentiation factor; hybridoma growth factor; interferon beta-2; interleukin BSF-2; Interleukin 6

### **Gene ID**

[3569](#)

### **UniProt ID**

[P08887](#)