

## Product Information

### MemDX™ Membrane Protein Human LILRB4 (Leukocyte immunoglobulin like receptor B4)

#### Full Length

Cat. No.: **MPC2889K**

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

This product is a made-to-order Human LILRB4 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

LILRB4

##### Protein Length

Full length

##### Protein Class

Receptor; Immunity

##### TMD

1

##### Sequence

MIPTFTALLCLGLSLGPRTHMQAGPLPKPTLWAEPGSVISWGN SVTIWCQ  
GTLEAREYRLDKEESPAPWDRQNPLEPKNKARFSIPSMTE DYAGRYRCYY  
RSPVGWSQPSDPLELVMTGAYSKPTLSALPSPLVTSGKSVTLLCQSRSPM  
DTFLLIKERAAHPLLHLRSEHGAQQHQAEFPMSPVTSVHGGTYRCFSSHG  
FSHYLLSHPSDPLELIVSGSLEDPRPSPTRSVSTAAGPEDQPLMPTGSVP  
HSGLRRHWEVLIGVLVVSILL SLLL FLLLQHW RQGKHRTLAQRQADFQR  
PPGAAEPEPKDGG LQRRSSPAADVQGENFCAAVKNTQPEDGVEMDTRQSP  
HDEDPQAVTYAKVKHSRPRRE MASPPSPLSGEFLDTKDRQAEEDRQMDTE  
AAASEAPQDVTYAQLHSFTLRQKATEPPPSQEGASPAEPSVYATLAIH

#### 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**

LILRB4

**Full Name**

Leukocyte immunoglobulin like receptor B4

**Introduction**

This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. The receptor can also function in antigen capture and presentation. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene.

**Alternative Names**

LILRB4; ILT3; LIR5; CD85K; ILT-3; LIR-5; leukocyte immunoglobulin-like receptor subfamily B member 4; CD85 antigen-like family member K; immunoglobulin-like transcript 3; leucocyte Ig-like receptor B4; leukocyte immunoglobulin-like receptor 5; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4; monocyte inhibitory receptor HM18; Leukocyte immunoglobulin like receptor B4

**Gene ID**

[11006](#)

**UniProt ID**

[Q8NHJ6](#)