

Product Information

MemDX™ Membrane Protein Human CLEC4G (C-type lectin domain family 4 member G) Full Length

Cat. No.: **MPC3383K**

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

This product is a made-to-order Human CLEC4G 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

CLEC4G

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MDTRYSKWGGSSSEVPGGPWGRWVHWSRRPLFLALAVLVTTVLWAVILS
ILLSKASTERAALLDGHDLRTNASKQTAALGALKEEVGDCHSCCSGTQA
QLQTTRAEELGEAQAKLMEQESALRELREVRTQGLAEAGRGREDVRELFR
ALEAVRLQNNSCPCPTSWLSFEGSCYFFSVPKTTWAAAQDHCADASAHL
VIVGGLDEQGFLTRNTRGRGYWLGLRAVRHLGKVQGYQWVDGVSLFSHW
NQGEPNDAWGRENVMMLHTGLWNDAPCDSEKDGWICEKRHNC

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**

CLEC4G

Full Name

C-type lectin domain family 4 member G

Introduction

This gene encodes a glycan-binding receptor and member of the C-type lectin family which plays a role in the immune response. C-type lectin receptors are pattern recognition receptors located on immune cells that play a role in the recognition and uptake of both self and non-self glycoproteins as well as mediating cell adhesion, glycoprotein clearance, and cell signaling functions. This gene's protein binds complex-type N-glycans of the viral envelope proteins of Ebola virus, West Nile filovirus, and SARS coronavirus, but not HIV or hepatitis C virus. In mouse, this protein has been shown to recognize activated T-cells and to negatively regulate T-cell receptor-mediated signalling. It also acts as a novel, liver-specific regulator of NK cell-mediated immunity in mouse. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

CLEC4G; LP2698; UNQ431; DTTR431; LSECTin; C-type lectin superfamily 4, member G; liver and lymph node sinusoidal endothelial cell C-type lectin; C-type lectin domain family 4 member G

Gene ID

[339390](#)

UniProt ID

[Q6UXB4](#)