

Recombinant Human CLEC4G Protein, Fc-tagged

Cat. No. CLEC4G-368H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CLEC4G protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	293
Description	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.
Form	Lyophilized
Molecular Mass	52.1 kDa
AA Sequence	MDTTRYSKWGGSSSEVPGGPWGRWVHWSRRPLFLALAVLVTTVLWAVILSILLSKA

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STERAALLDGHDLRLTNASKQTAALGALKEEVGDCHSCCSGTQAQLQTTRAEELGEA
QAKLMEQESALRELRLRVTTQGLAEAGRGREDVRTELFRALEAVRLQNNNSCEPCPTS
WLSFEGSCYFFSVPKTTWAAAQDHCADASAHLVIVGGLDEQGFLTRNTRGRGYWL
GLRAVRHLGKVQGYQWVDGVSLSFHWNQGEPNDAWGRENVMMLHTGLWANDA
PCDSEKDGWICEKRHNC

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).
After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18
centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted
stock further in other aqueous solutions if needed. Please review COA for lot-specific
instructions. Final measurements should be determined by the end-user for optimal
performance.

GENE INFORMATION

Gene Name CLEC4G C-type lectin domain family 4, member G [Homo sapiens (human)]

Official Symbol CLEC4G

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Synonyms	CLEC4G; C-type lectin domain family 4, member G; C type lectin superfamily 4, member G; C-type lectin domain family 4 member G; LSECTin; UNQ431; C-type lectin superfamily 4, member G; liver and lymph node sinusoidal endothelial cell C-type lectin; LP2698; DTTR431;
Gene ID	339390
mRNA Refseq	NM_001244856
Protein Refseq	NP_001231785
MIM	616256
UniProt ID	Q6UXB4

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