Active Recombinant Human CLEC4E Protein, Fc-tagged

Cat. No. CLEC4E-7777H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLEC4E Protein (Arg41-Leu219) with Human IgG1 (Pro100-Lys330) Fc tag at N-terminus was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	41-219 a.a.
Description	This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type II transmembrane protein is a downstream target of CCAAT/enhancer binding protein (C/EBP), beta (CEBPB) and may play a role in inflammation. Alternative splice variants have been described but their full-length sequence has not been determined. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region.
Bio-activity	Measured by its binding ability in a functional ELISA. When Trehalose 6, 6'-Dimycolate is immobilized at 1 μg/mL (100 μL/well), the concentration of Recombinant Human CLEC4E Fc Chimera that produces 50% of the optimal binding response is approximately 0.05-0.3 μg/mL.
Molecular Mass	47 kDa

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N-terminal Sequence Analysis	Met
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 500 μg/mL in PBS.

GENE INFORMATION

Gene Name	CLEC4E C-type lectin domain family 4 member E [Homo sapiens (human)]
Official Symbol	CLEC4E
Synonyms	CLEC4E; C-type lectin domain family 4 member E; MINCLE; CLECSF9; C-type lectin domain family 4 member E; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 9; C-type lectin superfamily member 9; macrophage-inducible C-type lectin
Gene ID	26253
mRNA Refseq	NM_014358

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Protein Refseq	NP_055173
MIM	609962
UniProt ID	Q9ULY5

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