

Recombinant Human CLEC4E, His-tagged

Cat. No. CLEC4E-7776H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CType Lectin Domain Family 4 Member E/CLEC4E is produced with our mammalian cells expression system in HEK293. The target protein is expressed with sequence (Arg41Leu219) of Human CLEC4E fused with a polyhistidine tag at the Cterminus.
Species	Human
Source	HEK293
Description	CType Lectin Domain Family 4 Member E (CLEC4E) is a 219 amino acid singlepass type II membrane protein that contains one Ctype Lectin domain. It is expressed in monocytes, CLEC4E functions as a downstream target of C/EBP beta and is thought to play a role in the inflammatory response, possibly via transcriptional control of C/EBP beta. CLEC4E may play a role in the response to inflammatory stimuli in peritoneal macrophages and may be involved in immune surveillance processes under transcriptional control of CEBPB. Human CLEC4E shares 67% sequence identity with its mouse counterpart, suggesting a similar function between species. CLEC4E exists as multiple alternatively spliced isoforms that are encoded by a gene which maps to a natural killer gene complex region on human chromosome 12.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
AA Sequence	RCVVTFRIFQ TCDEKKFQLP ENFTELSCYN YGSGSVKNCC PLNWEYFQSS CYFFSTDTIS WALSLKNCS AMGAHLVVIN SQEEQEFLSY KKPCKMREFFI

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GLSDQVVEGQ WQWVDGTPLT K SLSFWDVG EPNNIATLED CATMRDSSNP
RQNWNDVTCTF LNYFRICEMV GINPLNKGKS LV DHHHHHHH *

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Notes For research use only.

Storage Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C. for 2-7 days. Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

GENE INFORMATION

Gene Name CLEC4E C-type lectin domain family 4, member E [Homo sapiens]

Official Symbol CLEC4E

Synonyms CLEC4E; C-type lectin domain family 4, member E; C type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 9 , CLECSF9; C-type lectin domain family 4 member E; mincle; C-type lectin superfamily member 9; macrophage-inducible C-type lectin; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 9; MINCLE; CLECSF9;

Gene ID 26253

mRNA Refseq NM_014358

Protein Refseq NP_055173

MIM 609962

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UniProt ID	Q9ULY5
Chromosome Location	12p13.31
Pathway	Tuberculosis, organism-specific biosystem; Tuberculosis, conserved biosystem;
Function	binding; receptor activity; sugar binding;

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