

Recombinant Human CD300E, His-tagged

Cat. No. CD300E-58H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD300E is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Leu18-Leu169) of Human CD300E fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	18-169 a.a.
Description	CD300E is a single-pass type I membrane protein that belongs to the CD300 family. CD300E has a single extracellular V-type Ig-like domain and presents on the surface of mature hematopoietic cells of the monocyte and myeloid lineages. CD300E acts as an activating receptor of the immunoglobulin (Ig) superfamily. It also mediates activating signals by interacting with DAP12.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.2
AA Sequence	LKGPGSVTGTAGDSLTVWCQYESMYKGYNKYWCRGQYDTSCESIVETKGEEKVER NGRVSIRDHP EALAFTVTMQNLNEDDAGSYWCKIQTWVLDSSRDPDSLVRVYV SPAITTPRRTHPATPPIFL VVNPGRNLSTREVLQTQNSGFRLVDHHHHHH
Endotoxin	Less than 0.1 ng/µg (1 IEU/µg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

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Storage	Lyophilized protein should be stored at Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
GENE INFORMATION	
Gene Name	CD300E CD300e molecule [Homo sapiens]
Official Symbol	CD300E
Synonyms	CD300E; CD300e molecule; CD300 antigen like family member E , CD300e antigen , CD300LE; CMRF35-like molecule 2; CLM2; IREM2; CD300e antigen; poly-Ig receptor 2; CD300 antigen like family member E; CD300 antigen-like family member E; polymeric immunoglobulin receptor 2; immune receptor expressed on myeloid cells 2; CLM-2; PIgR2; IREM-2; PIgR-2; CD300LE; CMRF35-A5;
Gene ID	342510
mRNA Refseq	NM_181449
Protein Refseq	NP_852114
MIM	609801
UniProt ID	Q496F6
Chromosome	17q25.1

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Location	
Function	receptor activity;

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