

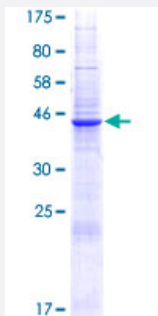
Full-Length

CD300E (Human) Recombinant Protein (P01)

Catalog # H00342510-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CD300E full-length ORF (AA100889.1, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MWLLPALLLLCLSGCLSLKGPGSVTGTAGDSLTVWCQYESMYKGYNKYWCRGQYDTSCESVET KGEEKVERNGRVSIRDHPEALAFVTMQNLNEDDAGSYWCKIQTVWVLDSWSRDPSDLVRVYV SPAITTPRRTHPATPPIFLVVPGRNLSSTREVLQNSGFRLSSPHFLLVLLKLPLLLSMLGAVFW VNRPWAPPGR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	49.4
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CD300E

Entrez GeneID [342510](#)

GeneBank Accession# [BC100888.1](#)

Protein Accession# [AAI00889.1](#)

Gene Name CD300E

Gene Alias CD300LE, CLM2, IREM2

Gene Description CD300e molecule

Omim ID [609801](#)

Gene Ontology [Hyperlink](#)

Gene Summary CD300LE is an activating receptor of the immunoglobulin (Ig) superfamily expressed on myeloid cells. It mediates activating signals by interacting with DAP12 (TYROBP; MIM 604142) (Aguilar et al., 2004 [PubMed 15557162]).[supplied by OMIM]

Other Designations CD300 antigen like family member E|CD300e antigen|immune receptor expressed on myeloid cells 2

Publication Reference

- [The antigen CD300e drives T cell inflammation in adipose tissue and elicits an antibody response predictive of the insulin sensitivity recovery in obese patients.](#)

Sara Coletta, Elisabetta Trevellin, Marisa Benagiano, Jacopo Romagnoli, Chiara Della Bella, Mario Milco D'Elios, Roberto Vettor, Marina de Bernard.

Journal of Inflammation (London, England) 2022 Nov; 19(1):21.

Application: ELISA, Human, Human serum

- [Antibody to CMRF35-Like Molecule 2, CD300e A Novel Biomarker Detected in Patients with Fulminant Type 1 Diabetes.](#)

Haseda F, Imagawa A, Nishikawa H, Mitsui S, Tsutsumi C, Fujisawa R, Sano H, Murase-Mishiba Y, Terasaki J, Sakaguchi S, Hanafusa T.

PLoS One 2016 Aug; 11(8):e0160576.

Application: ELISA, Human, Serum

Disease

- [Osteoporosis](#)