

**AR51682PU-S****Human CD300E / CMRF35A5 (18-173, His-tag) - Purified****Alternate names:**

CD300 antigen-like family member E, CD300LE, CLM-2, CLM2, CMRF35-A5, CMRF35-like molecule 2, IREM2, Immune receptor expressed on myeloid cells 2

**Quantity:**

0.1 mg

**Concentration:**

1.0 mg/ml (determined by Bradford assay)

**Background:**

CMRF35-like molecule 2 precursor, also known as CD300E, is a 205 amino acid single-pass type I membrane protein that contains one Ig-like V-type (immunoglobulin-like) domain and belongs to the CD300 family. Interacting with DAP12, CD300E most likely functions as an activating receptor. CD300E is present on the surface of mature hematopoietic cells of the monocyte and myeloid lineages.

**Uniprot ID:**

[Q496F6](#)

**NCBI:**

[NP\\_852114](#)

**GeneID:**

[342510](#)

**Species:**

Human

**Source:**

E. coli

**Format:**

**State:** Liquid purified protein

**Purity:** >90% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0)

**Description:**

Recombinant human CD300E protein, fused to His-tag at N-terminus, was expressed in E.coli.

**AA Sequence:**

MGSSHHHHH SGLVPRGSH MGSLKPGSV TGTAGDSLTV WCQYESMYKG YNKYWCRGQY  
DTSCESIVET KGEKVERNG RVSIRDHPEA LAFTVTMQLN NEDDAGSYWC KIQTWVLDS  
WSRDPSDLVR VYVSPAITTP RRTTHPATPP IFLVNPGRN LSTGEVLTQN SGFRLSSPH

**Molecular weight:** 19.9 kDa (179aa)

**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

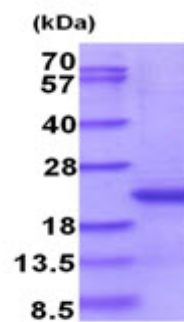
Shelf life: one year from despatch.

**General Readings:**

Clark G J., et al. (2009) Immunobiology. 214: 730-736.

Clark G J., et al. (2009) Trends Immunol. 30: 209-217.

Pictures:



15% SDS-PAGE (3ug)