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## **Recombinant human CD300A protein**

Catalog Number: ATGP2232

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

18-128aa

#### UniProt No.

O9UGN4

#### **NCBI Accession No.**

NP 009192

#### **Alternative Names**

CD300a molecule, CMRF35-like molecule 8, CLM-8, CD300 antigen-like family member A, CMRF-35-H9, CMRF35-H9, CMRF35-H, IRC1/IRC2, Immunoglobulin superfamily member 12, IgSF12, Inhibitory receptor protein 60, IRp60, NK inhibitory receptor

### **PRODUCT SPECIFICATION**

## **Molecular Weight**

14.7 kDa (134aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

## **Purity**

> 90% by SDS-PAGE

## Tag

His-Tag

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

CD300A belongs to the CD300 family and contains 1 Ig-like V-type (immunoglobulin-like) domain. The protein is expressed not only by natural killer (NK) cells but also by T-cell subsets, B-cells, dendritic cells, mast cells, granulocytes and monocytes. CD300A is inhibitory receptor which may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation. Recombinant



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human CD300A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## **Amino acid Sequence**

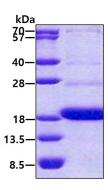
<MGSSHHHHHH SSGLVPRGSH MGS>LSKCRTV AGPVGGSLSV QCPYEKEHRT LNKYWCRPPQ IFLCDKIVET KGSAGKRNGR VSIRDSPANL SFTVTLENLT EEDAGTYWCG VDTPWLRDFH DPVVEVEVSV FPAS

#### **General References**

Clark G.J., et al. (2000) Tissue Antigens. 55:101-109 Bachelet I., et al. (2005) J. Immunol. 175:7989-7995

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

