

Recombinant human CD300A protein

Catalog Number: ATGP2232

PRODUCT INFORMATION

Expression system

E.coli

Domain

18-128aa

UniProt No.

Q9UGN4

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 VDPWLRDFH DPVVEVEVSV FPAS

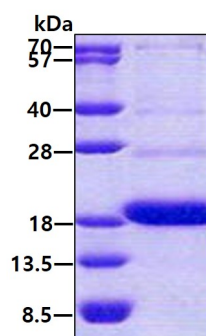
General References

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.