

Recombinant human CD38 protein

Catalog Number: ATGP3339

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

43-300aa

UniProt No.

P28907

NCBI Accession No.

NP_001766

Alternative Names

ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, CD38, ADPRC 1, ADPRC1

PRODUCT SPECIFICATION

Molecular Weight

31.2 kDa (269aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 50mM MES buffer (pH 5.0) containing 100mM NaCl, 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

CD38, also known as ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, is a surface molecule which has been attributed the function of a signaling channel leading to cellular activation and proliferation, an ectoenzyme with multiple function as well as an inducer of Ca²⁺ mobilization from cytoplasmic stores. It also functions as a plasma membrane signaling receptor in leukocytes. On B cells, It acts as a coreceptor and modulates B cell

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receptor (BCR) signals. Recombinant human CD38, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPEFVPRWR QQWSGPGTTK RFPETVLARC VKYTEIHPPEM RHVDCQSVWD AFKGAFISKH PCNITEEDYQ PLMKLGTQTV
PCNKILLWSR IKDLAHQFTQ VQRDMFTLED TLLGYLADDL TWCGEFNTSK INYQSCPDR KDCSNNPVSF FWKTVSRRFA
EAACDVVHVM LNGRSKIFD KNSTFGSVEV HNLQPEKVQT LEAWVIHGGR EDSRDLCQDP TIKELESIS KRNIQFSCKN
IYRPDKFLQC VKNPEDSSCT SEIHSHHHHH

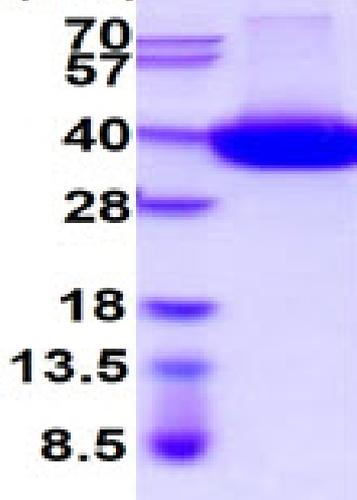
General References

Funaro A., et al. (1997) Tissue Antigens. 49:7-15.
Lischke., et al. (2013) Infect Immun. 81:4091-4099.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)