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

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

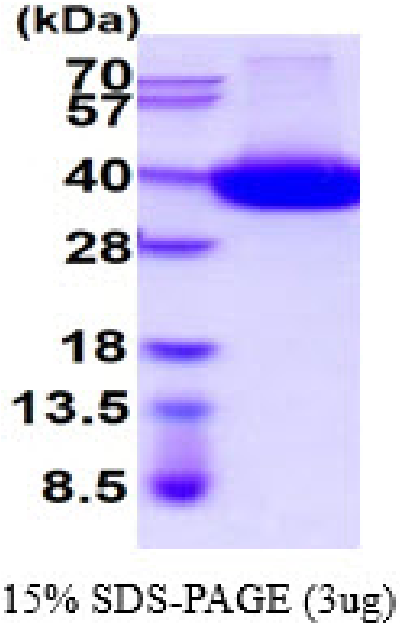
ADPEFVPRWR QQWSGPGTTK RFPETVLARC VKYTEIHPEM RHVDCQSVWD AFKGAFISKH PCNITEEDYQ PLMKLGTQTV PCNKILLWSR IKDLAHQFTQ VQRDMFTLED TLLGYLADDL TWCGEFNTSK INYQSCPDWR KDCSNNPVSV FWKTVSRRFA EAACDVVHVM LNGSRSKIFD KNSTFGSVEV HNLQPEKVQT LEAWVIHGGR EDSRDLCQDP TIKELESIIS KRNIQFSCKN IYRPDKFLQC VKNPEDSSCT SEIHHHHHH

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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