

Recombinant human BCAM protein

Catalog Number: ATGP3596

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

32-547aa

UniProt No.

P50895

NCBI Accession No.

NP_005572

Alternative Names

Basal cell adhesion molecule isoform 1, BCAM, AU, CD239, LU, MSK19

PRODUCT SPECIFICATION

Molecular Weight

83.2 kDa (755aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

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

Tag

hIgG-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

BCAM, also known as Basal cell adhesion molecule isoform 1, is an immunoglobulin superfamily protein that arises from alternate splicing of the Lutheran blood group molecule. This protein is upregulated following malignant transformation of some cell types in vivo and in vitro, thus being a candidate molecule involved in tumor progression. Also, it interacts with integrin in sickle red cells, and may potentially play a role in vaso-

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occlusive episodes. Recombinant human BCAM, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

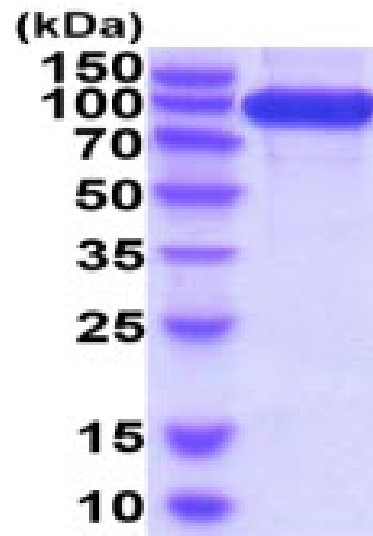
EVRLSVPPLV EVMRGKSVIL DCTPTGTHDH YMLEWFLTDR SGARPRLASA EMQGSELQVT MHDTRGRSPP YQLDSQGRLV
LAEAQVGDER DYVCVVRAGA AGTAEATARL NVFAKPEATE VSPNKGTLV MEDSAQEIAT CNSRNGNPAP KITWYRNGQR
LEVPVEMNPE GYMSTRVRE ASGLLSLTST LYLRLRKDDR DASFHCAAHY SLPEGRHGRL DSPTFHLLTLH YPTEHVQFWV
GSPSTPAGWV REGDTVQLLC RGDGSPSPEY TLFRLQDEQE EVLNVNLEGN LTLEGVTRGQ SGTYGCRVED YDAADDVQLS
KTLELRVAYL DPLELSEGV LSLPLNSSAV VNCSVHGLPT PALRWTKDST PLGDGPMLSL SSITFDSNGT YVCEASLPTV
PVLRSRTQNFT LLVQGSPELK TAEIEPKADG SWREGDEVTL ICSARGHPDP KLSWSQLGGS PAEPIGRQG WVSSSLTLKV
TSALSRDGI CEASNPNGNK RHFVHFGTVS PQTSQAVEPK SCDKTHTCP CPAPPELLGGP SVFLFPPKPK DTLMISRTPE
VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK
AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ
QGNVFCSSVM HEALHNHYTQ KSLSLSPGKH HHHHH

General References

An X., et al, (2008) Blood 112:5212-5218.
El Nemer W., et al, (2001) J. Biol. Chem. 276:23757-23762.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)