



**Catalog Number:** PR27244

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** EVRLSVPLLV EVMRGKSVIL DCTPTGTHDH YMLEWFLTDR SGARPLASA EMQGSELQVT MHDTRGRSPP YQLDSQGRVL LAEAQVGDER DYVCVVRAGA AGTAEATARL NVFAKPEATE VSPNKGTLV MEDSAQEIAT CNSRNGNPAP KITWYRNGQR LEVPVEMNPE GYMTRSRTVRE ASGLLSLTST LYLRRLKDDR DASFHCAAHY SLPEGRHGRL DSPTFHLTLH YPTEHVQFWV GSPSTPAGWV REGDTVQLLC RGDGSPSPEY TLFRLQDEQE EVLNVNLEGN LTLEGVTRGQ SGTYGCRVED YDAADDVQLS KTELRLVAYL DPLELSEGKV LSLPLNSSAV VNCVSHGLPT PALRWTKDST PLGDGPMLSL SSITFDSNGT YVCEASLPTV PVLRSRTQNFT LLVQGSPELK TAEIEPKADG SWREGDEVTL ICSARGHPDP KLSWSQLGGS PAEPIGRQG WVSSSLTLKV TSALSRDIS CEASNPHGNK RHFVHFGTVS PQTSQAVEPK SCDKTHTCP CPAPPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ QGNVFCSCVM HEALHNHYTQ KSLSLSPGKH HHHHH.

**Description/Molecular Mass:** Basal Cell Adhesion Molecule (BCAM) which is a product of alternate splicing of the Lutheran blood group molecule is a part of the immunoglobulin superfamily. BCAM contains five extracellular immunoglobulin domains, a single transmembrane domain, and a short C-terminal cytoplasmic tail. BCAM protein is upregulated following malignant transformation of some cell types in vivo and in vitro. Furthermore, BCAM interacts with integrin in sickle red cells, and participates in vasoocclusive episodes.

**Purity:** BCAM produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 755 amino acids (32-547a.a.) and having a molecular mass of 83.2kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). BCAM is expressed with a 239 amino acid hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.  
Greater than 90.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** BCAM protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4), and 10% glycerol.

**Storage:** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### FOR RESEARCH USE ONLY

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