

General Information

Gene Name Synonym

B-CAM cell surface glycoprotein; Lutheran antigen

Protein Construction

A DNA sequence encoding the rat BCAM (Q9ESS6) (Met1-Ala543) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of HOS human osteogenic sarcoma cells.

When cells are added to coated plates(10 µg/mL,100µL/well), approximately 20-50% will adhere for 1 hour incubation at 37°C.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 26

Molecular Mass

The recombinant rat BCAM comprises 529 amino acids and predicts a molecular mass of 58.2 kDa. The apparent molecular mass of the recombinant protein is approximately 68 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

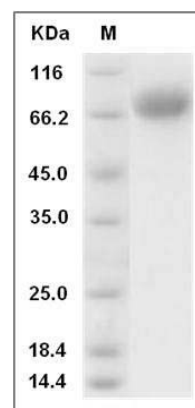
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Rat BCAM Protein (His Tag) SDS-PAGE