

Recombinant Human BCAM

Cat. No. BCAM-27252TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CD239 with N terminal proprietary tag; Predicted MW 36.63 kDa
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	Lutheran blood group glycoprotein is a member of the immunoglobulin superfamily and a receptor for the extracellular matrix protein, laminin. The protein contains five, N-terminus, extracellular immunoglobulin domains, a single transmembrane domain, and a short, C-terminal cytoplasmic tail. This protein may play a role in epithelial cell cancer and in vaso-occlusion of red blood cells in sickle cell disease. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Wide tissue distribution (highest in the pancreas and very low in brain). Closely associated with the basal layer of cells in epithelia and the endothelium of blood vessel walls.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	EVRLSVPLVEVMRGKSVILDCTPTGTHDHYLEWFLTDTRSGARPRLASAEMQGSE LQVTMHDTRGRSPPYQLDSQGRLVLAQAQVGDERDYVCVVRAGA
Sequence Similarities	Contains 3 Ig-like C2-type (immunoglobulin-like) domains.Contains 2 Ig-like V-type (immunoglobulin-like) domains.

GENE INFORMATION

Gene Name	BCAM basal cell adhesion molecule (Lutheran blood group) [Homo sapiens]
Official Symbol	BCAM
Synonyms	BCAM; basal cell adhesion molecule (Lutheran blood group); basal cell adhesion molecule (Lu and Au blood groups) , LU, Lutheran blood group (Auberger b antigen included); basal cell adhesion molecule; CD239;
Gene ID	4059
mRNA Refseq	NM_001013257
Protein Refseq	NP_001013275
MIM	612773
Uniprot ID	P50895

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Chromosome Location	19q12-q13
Function	laminin binding; laminin receptor activity; transmembrane signaling receptor activity;