

BCAM Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700662
Synonyms:	LU; MSK19; Gplu; CD239; Lutheran;
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A7N9CA99 (E32-G548)
Gene ID:	/
Molecular Weight:	70-80 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	BCAM protein is a member of the immunoglobulin superfamily and a receptor for the extracellular matrix protein laminin. BCAM may play a role in red blood cell vessel occlusion in epithelial cell carcinoma and sickle cell disease. BCAM has been shown to interact with laminin α 5. BCAM also promotes ovarian cancer metastasis. BCAM inhibits proliferation, migration, and invasion of trophoblast cells by inhibiting PIK3R6/p-STAT3 signaling, which may lead to placental-dysplasia, resulting in a preeclampsia-like a phenotype ^{[1][2][3][4]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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