



Certificate of Analysis

BCAM Protein, Mouse (HEK293, His)

Cat. No.:	HY-P72844
Batch No.:	310489
Species:	Mouse
Source:	HEK293
Tag:	C-His
Accession:	Q9R069 (E26-A541)
Gene ID:	57278
Molecular Weight:	70-90 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of HOS human osteogenic sarcoma cells. When 5×10^4 cells per well are added to Recombinant Mouse BCAM coated plates, cell adhesion is enhanced in a dose dependent manner. The ED_{50} for this effect is 0.491 μg/mL. Corresponding to a specific activity is 2.036×10^3 U/mg	PASS
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
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.	

Caution: Product has not been fully validated for medical applications. For research use only.

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