CADM3 Protein, Mouse (328a.a, HEK293, His)

Cat. No.:	HY-P76756
Synonyms:	Cell adhesion molecule 3; IgSF4B; NECL-1; Syncam3
Species:	Mouse
Source:	HEK293
Accession:	Q99N28 (M1-H328)
Gene ID:	94332
Molecular Weight:	37-42 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	CADM3, a pivotal player in cell-cell adhesion, engages in a spectrum of adhesive activities. It encompasses both calcium-independent homophilic cell-cell adhesion and calcium-independent heterophilic cell-cell adhesion with IGSF4, NECTIN1, and NECTIN3, showcasing its versatility in mediating various cell interactions. The interaction with EPB41L1 suggests a potential role in modulating the structure or function of cell-cell junctions, adding an additional layer of complexity to its functional repertoire. Existing as a homodimer, CADM3 also has the capability to form trans-heterodimers with NECTIN3, underlining its dynamic role in adhesive interactions. Moreover, CADM3 interacts with EPB41L1, DLG3, PALS2, and CASK, further emphasizing its involvement in intricate cellular signaling and junction dynamics. This multifaceted engagement positions CADM3 as a key regulator in the realm of cell adhesion and intercellular communication.

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