CADM3 Protein, Rat (HEK293, His)

Cat. No.:	HY-P76758
Synonyms:	Cell adhesion molecule 3; IgSF4B; NECL-1; Syncam3
Species:	Rat
Source:	HEK293
Accession:	Q1WIM3 (M1-H328)
Gene ID:	360882
Molecular Weight:	35-40 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.5. 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 cell adhesion molecule, intricately participates in cell-cell adhesion processes. It exhibits both calcium-independent homophilic cell-cell adhesion activity and calcium-independent heterophilic cell-cell adhesion activity with IGSF4, NECTIN1, and NECTIN3, emphasizing its versatility in mediating diverse cell interactions. Furthermore, CADM3's interaction with EPB41L1 suggests a potential role in regulating the structure or function of cell-cell junctions. The protein forms homodimers and has the capacity to create trans-heterodimers with NECTIN3, highlighting its ability to engage in various adhesive interactions. Additionally, CADM3 interacts with EPB41L1, DLG3, PALS2, and CASK, further underscoring its involvement in intricate cellular signaling and junction dynamics. The multifaceted nature of CADM3 positions it as a key player in cell adhesion and intercellular communication.

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