

Product datasheet for **TP726874**

Cadm1 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Cell Adhesion Molecule 1/CADM1/IGSF4A/SynCAM1 (C-Fc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Gln48-His388
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Cell adhesion molecule 1 is produced by our Mammalian expression system and the target gene encoding Gln48-His388 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	54725
UniProt ID:	Q8R5M8
Summary:	Cell adhesion molecule 1(CADM1) is a single-pass type I membrane protein and belongs to the nectin family. CADM1 acts as a tumor suppressor in non-small-cell lung cancer (NSCLC) cells. Interaction with CRTAM promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo. CADM1 may contribute to the less invasive phenotypes of lepidic growth tumor cells. In mast cells, it may mediate attachment to and promote communication with nerves. CADM1, together with MITE, is essential for development and survival of mast cells in vivo. The protein acts as a synaptic cell adhesion molecule and plays a role in the formation of dendritic spines and in synapse assembly. It may be involved in neuronal migration, axon growth, pathfinding, and fasciculation on the axons of differentiating neurons.



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