Datasheet for ABIN7195018

Cell Adhesion Molecule 4 Protein (CADM4) (Fc Tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	Cell Adhesion Molecule 4 (CADM4)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cell Adhesion Molecule 4 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CADM4/IGSF4C/NECL-4 Protein (Fc Tag)
Sequence:	Met 1-Tyr323
Characteristics:	A DNA sequence encoding the human CADM4 (NP_660339.1) (Met1-Tyr323) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Cell Adhesion Molecule 4 (CADM4)
Alternative Name:	CADM4/IGSF4C/NECL-4 (CADM4 Products)
Background:	Background: Immunoglobulin superfamily member 4C (IGSF4C), also known as CADM4 or NECL-4, is an immunoglobulin (Ig) superfamily molecule showing significant homology with a lung tumor suppressor, TSLC1. CADM4/IGSF4C/NECL-4 protein is mainly expressed in the

Target Details

	kidney, bladder, and prostate in addition to the brain. Experiments have reported the biological significance of CADM4/IGSF4C/NECL-4 in the urinary tissues. An immunohistochemical study reveals that CADM4 is expressed at the cell-cell attachment sites in the renal tubules, the transitional epithelia of the bladder, and the glandular epithelia of the prostate. IGSF4-immunoreactivity (IR) was observed diffusely in the telencephalic wall, whereas it became rather confined to the subplate, the cortical plate and the subventricular zone as the development proceeded. IGSF4-IR gradually decreased after birth and disappeared in adulthood. IGSF4 remained at low levels throughout embryonic stage, whereas it increased after birth. These spatiotemporal patterns of the expression suggest that IGSF4 plays crucial roles in the development of both telencephalon and cerebellum. CADM4/IGSF4C/NECL-4 is ectopically expressed in adult T-cell leukemia (ATL) cells, providing not only a diagnostic marker for ATL, but also a possible therapeutic target against its invasion. The distinct roles of CADM4/IGSF4C/NECL-4 in the oncogenesis of carcinomas and ATL could be due to tissue-specific differences in the downstream cascades, and is a novel concept with respect to cell adhesion in human oncogenesis. Synonym: IGSF4C,Necl-4,NECL4,synCAM4,TSLL2
Molecular Weight:	60.1 kDa
NCBI Accession:	NP_660339

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.