

# Active Recombinant Human Cell Adhesion Molecule 2, His-tagged

**Cat. No.** CADM2-5605H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CADM2 protein was expressed in Murine myeloma cell line with a C-terminal 6-His tag. Ala21-Asp335.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Protein Length</b>	21-335 a.a.
<b>Description</b>	CADM2 is an immunoglobulin super family member that is also designated as synaptic cell adhesion molecule 2 and nectin-like protein 3. The four CADM2 proteins, designated A, B, C and D, are type I transmembrane glycoproteins expressed mainly in epithelial cells that contain one V-type Ig-like and two C2-type Ig-like domains in their extracellular regions. These domains are characteristically responsible for Ca <sup>2+</sup> independent homophilic and heterophilic interactions in the brain, lung, kidney, bladder, prostate and testis.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>N-terminal Sequence</b>	Ala21
<b>Molecular Weight</b>	35.5 kDa
<b>Activity</b>	Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic

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	corticalneurons. Able to significantly enhance neurite outgrowth when immobilized asa 3 µL droplet containing 50 ng on a nitrocellulose-coated microplate.
<b>Endotoxin Level</b>	<1.0 EU per 1 µg of the protein by the LAL method.
<b>SDS-PAGE</b>	36-55kDa, reducing conditions
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in sterile PBS
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CADM2 cell adhesion molecule 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">CADM2</a>
<b>Synonyms</b>	CADM2; cell adhesion molecule 2; NECL3; IGSF4D; Necl-3; synCAM2; nectin-like 3; nectin-like protein 3; immunoglobulin superfamily member 4D; immunoglobulin superfamily, member 4D; MGC104534; MGC138341; MGC138343; OTTHUMP00000213814; OTTHUMP00000213815; OTTHUMP00000213816; SYNCAM2
<b>Gene ID</b>	<a href="#">253559</a>
<b>mRNA Refseq</b>	<a href="#">NM_001167674</a>

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<b>Protein Refseq</b>	NP_001161146
<b>MIM</b>	609938
<b>UniProt ID</b>	Q8N3J6
<b>Chromosome Location</b>	3p12.2
<b>Pathway</b>	Adherens junctionsinteractions; Cell junction organization; Cell-Cell communication; Cell-celljunction organization
<b>Function</b>	adherens junctionorganization; cell junction assembly; cell-cell junction organization

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