



Recombinant Protein Technical Manual

Recombinant Human CADM3 Protein (His Tag)

RPES3011

Product Data:

Product SKU: RPES3011

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: NP_001120645.1

Protein Information:

Molecular Mass: 34.7 kDa

AP Molecular Mass: 40 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cell Adhesion Molecule 3; Brain Immunoglobulin Receptor; Immunoglobulin Superfamily Member 4B; IgSF4B; Nectin-Like Protein 1; NECL; Synaptic Cell Adhesion Molecule 3; SynCAM3; TSLC1-Like Protein 1; TSLL1; CADM3; IGSF4B; NECL1; SYNCAM3; TSLL1

Immunogen Information:

Sequence: Asn25-His330

Background:

Cell Adhesion Molecular Proteins are proteins located on the cell surface involved with the binding with other cells or with the extracellular matrix in the cell adhesion process. These proteins consists of three domains, an transmembrane domain, an intracellular domain that interacts with the cytoskeleton, and an extracellular domain that interacts with other CAMs of the same kind or with other CAMs or the extracellular matrix. Cell Adhesion Molecular 3 (CADM3) is a neural tissue-specific member of the nectin-like family of immunoglobulin superfamily. CADM3 interacts with EPB41L1 may regulate structure or function of cell-cell junctions. CADM3 has both calcium-independent homophilic cell-cell adhesion activity and calcium-independent heterophilic cell-cell adhesion activity with IGSF4, PVRL1 and PVRL3.