

Specifications:

Gene:	<i>hCADM3</i>
Accession:	NP_067012
Insert size:	1312bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

hIGSF4B/SynCAM3 cDNA Plasmid

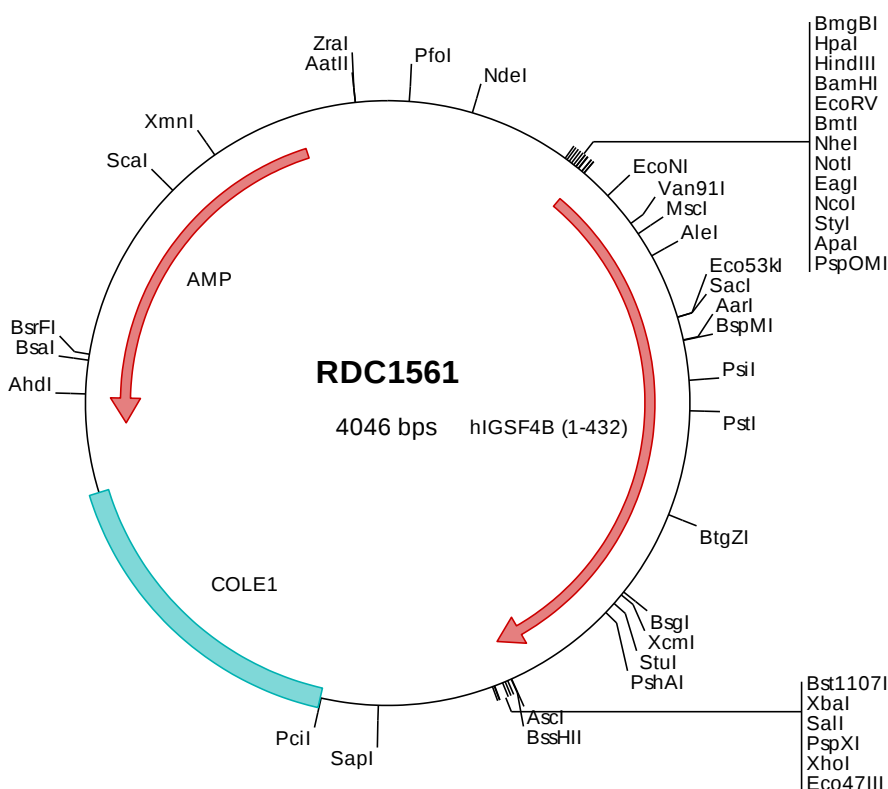
CADM3 cell adhesion molecule 3

[*Homo sapiens* (human)]

Also known as: BlgR; NECL1;
TSLL1; IGSF4B; Necl-1; synCAM3

Summary:

IGSF4B is a neural tissue-specific member of the nectin-like family of immunoglobulin superfamily. It is a type I transmembrane glycoprotein that is concentrated at non-junctional contact sites of neuronal axons and glial processes. The ECD contains an N-terminal V-type Ig-like domain that is responsible for Ca⁺⁺-independent homophilic and heterophilic interactions with Nectin-1, Nectin-3 or Necl-2 (IGSF-4) in *trans*. It also contains two C2-type Ig-like domains that are responsible for Ca⁺⁺-independent homophilic dimerization in *cis* that is thought to precede *trans* interaction. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1561 Plasmid DNA Sequence

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> RDC1561 Translated Insert Sequence

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