

Product datasheet for RC217411

Dysadherin (FXVD5) (NM_014164) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dysadherin (FXVD5) (NM_014164) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dysadherin
Synonyms: DYSAD; HSPC113; IWU1; KCT1; OIT2; PRO6241; RIC
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC217411 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCCCTCTGGTCGCCTGTGTCTTCTTACCATCGTTGGCCTGATTCTCCCCACCAGAGGACAGACGT
TGAAAGATACCACGTCCAGTTCTTCAGCAGACTCAACTATCATGGACATTCAGGTCCCGACAGAGCCCC
AGATGCAGTCTACACAGAACTCCAGCCACCTCTCCAACCCCACTGGCCTGCTGATGAAACACCACAA
CCCCAGACCCAGACCCAGCAACTGGAAGGAACGGATGGGCCTCTAGTGACAGATCCAGAGACACACAAGA
GCACCAAAGCAGCTCATCCACTGATGACACCAGCAGCTCTCTGAGAGACCATCCCAAGCACAGACGT
CCAGACAGACCCCGACCCCTCAAGCCATCTGGTTTTTCATGAGGATGACCCCTTCTTCTATGATGAACAC
ACCTCCGAAACGGGGCTGTTGGTCGACGTGTGCTGTTTCACAGGCATCATCTCCTCACCAGTG
GCAAGTGCAGGCAGCTGTCCCGTTATGCCGGAATCATTGCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217411 protein sequence
Red=Cloning site Green=Tags(s)

MSPSGRLCLLTIIVGLILPTRGQTLKDDTSSSSADSTIMDIQVPTRAPDAVYTELQPTSPTPTWPADETPQ
PQTQTQQLLEGTDGPLVTDPEHKSTKAAHPTDDTTLSERPSPSTDVQTDQPQLKPSGFHEDDPFFYDEH
TLRKRGLLVAAVLFITGIIILTSKCRQLSRLCRNHCR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

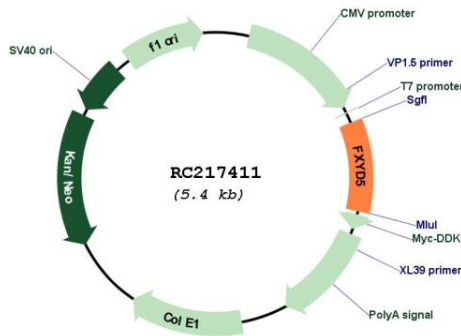
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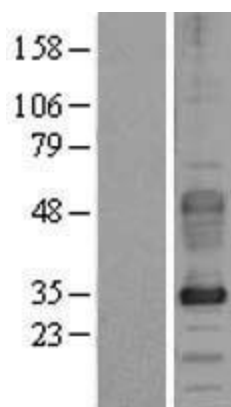
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Cytogenetics:	19q13.12
Domains:	ATP1G1_PLM_MAT8
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	19.5 kDa
Gene Summary:	<p>This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXVD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXVD-domain containing ion transport regulator. Mouse FXVD5 has been termed RIC (Related to Ion Channel). FXVD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXVD1 (phospholemman), FXVD2 (gamma), FXVD3 (MAT-8), FXVD4 (CHIF), and FXVD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXVD1 and FXVD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. This gene product, FXVD5, is a glycoprotein that functions in the up-regulation of chemokine production, and it is involved in the reduction of cell adhesion via its ability to down-regulate E-cadherin. It also promotes metastasis, and has been linked to a variety of cancers. Alternative splicing results in multiple transcript variants. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu., Sep 2009]</p>

Product images:



Circular map for RC217411



Western blot validation of overexpression lysate (Cat# [LY431776]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC228748] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).