

Product datasheet for SC203743

OriGene Technologies, Inc.

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Dysadherin (FXYD5) (NM_144779) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Dysadherin (FXYD5) (NM 144779) Human 3' UTR Clone

Symbol: Dysadherin

Synonyms: DYSAD; HSPC113; IWU1; KCT1; OIT2; PRO6241; RIC

Mammalian Cell

Selection:

Neomycin

Vector: pMirTarget (PS100062)

ACCN: NM_144779

Insert Size: 296 bp

Insert Sequence: >SC203743 3'UTR clone of NM_144779

The sequence shown below is from the reference sequence of NM_144779. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

TCCCGGTTATGCCGGAATCGTTGCAGGTGAGTCCATCAGAAACAGGAGCTGACAACCTGCTGGGCACCC GAAGACCAAGCCCCCTGCCAGCTCACCGTGCCCAGCCTCCTGCATCCCTCGAAGAGCCTGGCCAGAGA GGGAAGACACAGATGATGAAGCTGGAGCCAGGGCTGCCGGTCCGAGTCTCCTACCTCCCCAACCCTGC CCGCCCCTGAAGGCTACCTGGCGCCTTGGGGGGCTGTCCCTCAAGTTATCTCCTCTGCTAAGACAAAAAG

TAAAGCACTGTGGTCTTTGC

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a

point of reference. Note that the complete sequence of this clone is largely the same as the

reference sequence but may contain minor differences, e.g., single nucleotide

polymorphisms (SNPs).

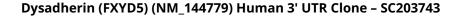
Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.

RefSeq: <u>NM 144779.3</u>







Summary:

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 PFXYD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYD-domain containing ion transport regulator. Mouse FXYD5 has been termed RIC (Related to Ion Channel). FXYD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYD1 (phospholemman), FXYD2 (gamma), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. This gene product, FXYD5, 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]

Locus ID: 53827

MW: 11.1