

## Product datasheet for **SC203742**

### Dysadherin (FXVD5) (NM\_014164) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Dysadherin (FXVD5) (NM_014164) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FXVD5
Synonyms:	DYSAD; HSPC113; IWU1; KCT1; OIT2; PRO6241; RIC
ACCN:	NM_014164
Insert Size:	296 bp
Insert Sequence:	>SC203742 3'UTR clone of NM_014164 The sequence shown below is from the reference sequence of NM_014164. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCCCGTTATGCCGGAATCGTTGCAGGTGAGTCCATCAGAAACAGGAGCTGACAACCTGCTGGGCACCC GAAGACCAAGCCCCCTGCCAGCTCACCGTGCCAGCCTCCTGCATCCCCCGAAGAGCCTGGCCAGAGA GGGAAGACACAGATGATGAAGCTGGAGCCAGGGCTGCCGGTCCGAGTCTCCTACCTCCCCAACCCCTGC CCGCCCTGAAGGCTACCTGGCGCCTTGGGGGCTGTCCCTCAAGTTATCTCCTCTGCTAAGACAAAAAG TAAAGCACTGTGGTCTTTGC <b>ACGCGT</b> AAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
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><a href="#">NM_014164.6</a></u>



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**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 PFXD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXD-domain containing ion transport regulator. Mouse FXD5 has been termed RIC (Related to Ion Channel). FXD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXD1 (phospholemman), FXD2 (gamma), FXD3 (MAT-8), FXD4 (CHIF), and FXD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXD1 and FXD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. This gene product, FXD5, 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