

Product datasheet for **SC203741**

Dysadherin (FXYD5) (NM_001164605) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Dysadherin (FXYD5) (NM_001164605) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FXYD5
Synonyms:	DYSAD; HSPC113; IWU1; KCT1; OIT2; PRO6241; RIC
ACCN:	NM_001164605
Insert Size:	296 bp
Insert Sequence:	>SC203741 3'UTR clone of NM_001164605 The sequence shown below is from the reference sequence of NM_001164605. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCCCGTTATGCCGGAATCGTTGCAGGTGAGTCCATCAGAAACAGGAGCTGACAACCTGCTGGGCACCC GAAGACCAAGCCCCCTGCCAGCTCACCGTGCCAGCCTCCTGCATCCCCCTCGAAGAGCCTGGCCAGAGA GGGAAGACACAGATGATGAAGCTGGAGCCAGGGCTGCCGGTCCGAGTCTCTACCTCCCCCAACCTGC CCGCCCCGTAAGGCTACCTGGCGCCTTGGGGGCTGTCCCTCAAGTTATCTCTCTGCTAAGACAAAAAG TAAAGCACTGTGGTCTTTGC ACGCGT AAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA 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>NM_001164605.2</u>



[View online »](#)

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