

Product datasheet for **TP761830**

Dysadherin (FXVD5) (NM_014164) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human FXVD domain containing ion transport regulator 5 (FXVD5), transcript variant 2, full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length FXVD5
Tag:	N-GST and C-His
Predicted MW:	45.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_054883
Locus ID:	53827
UniProt ID:	Q96DB9
RefSeq Size:	914
Cytogenetics:	19q13.12
RefSeq ORF:	534
Synonyms:	DYSAD; HSPC113; IWU1; KCT1; OIT2; PRO6241; RIC



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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 PFXYP and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYP-domain containing ion transport regulator. Mouse FXYP5 has been termed RIC (Related to Ion Channel). FXYP2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYP1 (phospholemman), FXYP2 (gamma), FXYP3 (MAT-8), FXYP4 (CHIF), and FXYP5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXYP1 and FXYP2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. This gene product, FXYP5, 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]

Protein Families:

Druggable Genome, Ion Channels: Other, Transmembrane

Product images: