

# Recombinant human FXYD5/Dysadherin protein

Catalog Number: ATGP1968

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

22-145aa

### UniProt No.

Q96DB9

### NCBI Accession No.

NP\_001158077.1

### Alternative Names

FXYD domain-containing ion transport regulator 5, DYSAD, HSPC113, IWu1, KCT1, OIT2, PRO6241, RIC

## PRODUCT SPECIFICATION

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### Molecular Weight

16.1 kDa (147aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by BCA assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

FXYD domain-containing ion transport regulator 5, also known as FXYD5, is a cancer-associated cell membrane glycoprotein which belongs to the FXYD family. FXYD5 is involved in down-regulation of E-cadherin, which plays important roles in tumor development and metastasis. It is present in spleen, lung, skeletal muscle, and testis tissue, and maps to human chromosome 19q13. 2. Recombinant human FXYD5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>QLKDTT SSSSADSTIM DIQVPTRAPD AVYTELQPTS PTPTWPADET  
PQPQTQTQQL EGTDGPLVTD PETHKSTKAA HPTDDTTTLS ERSPSTDVQ TDPQTLKPSG FHEDDPFFYD EHTLRKR

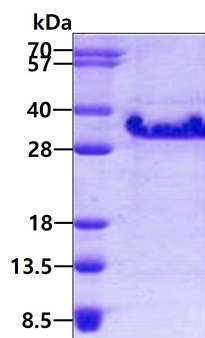
## General References

Shimamura T., et al. (2003) J Clin Oncol. 21:659-667

Sato H., et al. (2003) Metab. 9: 4407-4412.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.