

Recombinant human FXYD5/Dysadherin protein

Catalog Number: ATGP1968

PRODUCT INFORMATION

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

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

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

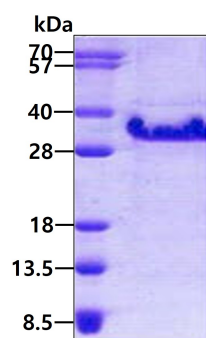
General References

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.