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AR50792PU-S Human Dysadherin / FXYD5 (22-145, His-tag) - Purified

Alternate names: DYSAD, FXYD domain-containing ion transport regulator 5, IWU1

Quantity: 0.1 mg

Concentration: 0.5 mg/ml (determined by BCA assay)

Background: 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.

Uniprot ID: Q96DB9

NCBI: NP_001158077

GeneID: 53827

Species: Human

Source: E. coli

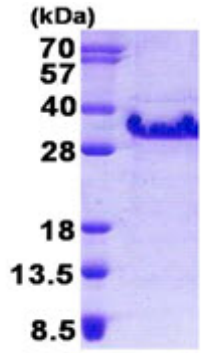
Format:
State: Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Description: Recombinant human FXYD5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSQTLKDTT SSSSADSTIM DIQVPTRAPD AVYTELQPTS PTPTWPADET PQPQTQTQQL EGTDGPLVTD PETHKSTKAA HPTDDTTTLS ERPSPSTDVQ TDPQTLKPSG FHEDDPFFYD EHTLRKR
Molecular weight: 16.1 kDa (147aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Shimamura T., et al. (2003) J Clin Oncol. 21:659-667Sato H., et al. (2003) Metab. 9: 4407-4412.

Pictures:



15% SDS-PAGE (3ug)