

**FXYD5, 22-145aa, Human, His tag, E.coli**

**Cat.NO.: TP02166**

3th Edition

**Synonyms:**FXYP domain-containing ion transport regulator 5, DYSAD, HSPC113, IWU1, KCT1, OIT2, PRO6241, RIC

**Description:**FXYP 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.

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

**Molecular Weight:**16.1 kDa (147aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSQLKDDTSSSSADSTIMDIQVPTRAPDAVYTELQPTSPPTWPADETPQPQT  
QTQQLEGTDGPLVTDPEHKSTKAAHPTDDTTLSERPSPSTDVQTDQPQLKPSGFHEDDPFFYDEHTLRKR

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.