

## Product datasheet for **TP305819L**

### **FXVD7 (NM\_022006) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FXVD domain containing ion transport regulator 7 (FXVD7), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205819 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MATPTQTPTKAPEEPDPFYDYNTVQTVGMTLATILFLLGILIVISKVKCRKADSRSESPTCKSCKSEL PSSAPGGGGV
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	8.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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:	<a href="#">NP_071289</a>
Locus ID:	53822
UniProt ID:	<a href="#">P58549</a>
RefSeq Size:	713



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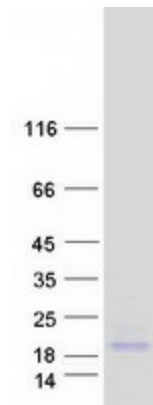
Cytogenetics: 19q13.12

RefSeq ORF: 240

**Summary:** This reference sequence was derived from multiple replicate ESTs and validated by similar human genomic sequence. 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 PFXYD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYD-domain containing ion transport regulator. Transmembrane topology has been established for two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. FXYD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYD1 (phospholemman), FXYD2 (gamma), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems. This gene product, FXYD7, is novel and has not been characterized as a protein. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu., Dec 2000]

**Protein Families:** Ion Channels: Other, Transmembrane

### Product images:



Coomassie blue staining of purified FXYD7 protein (Cat# [TP305819]). The protein was produced from HEK293T cells transfected with FXYD7 cDNA clone (Cat# [RC205819]) using MegaTran 2.0 (Cat# [TT210002]).