

## Product datasheet for **TP305076L**

### **FXYD2 (NM\_001680) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FXYD domain containing ion transport regulator 2 (FXYD2), transcript variant a, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205076 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MTGLSMDGGGSPKGDVDPFYDYETVRNGGLIFAGLAFIVGLLILLSRRFRCGGNKKRRQINEDEP  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	7.1 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_001671</a>
Locus ID:	486
UniProt ID:	<a href="#">P54710</a>
RefSeq Size:	584
Cytogenetics:	11q23.3



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RefSeq ORF: 198

Synonyms: ATP1G1; HOMG2

**Summary:** This gene encodes a member of the FXVD family of transmembrane proteins. This particular protein encodes the sodium/potassium-transporting ATPase subunit gamma. Mutations in this gene have been associated with Renal Hypomagnesemia-2. Alternatively spliced transcript variants have been described. Read-through transcripts have been observed between this locus and the upstream FXVD domain-containing ion transport regulator 6 (FXVD6, GeneID 53826) locus.[provided by RefSeq, Feb 2011]

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

### Product images:



Coomassie blue staining of purified FXVD2 protein (Cat# [TP305076]). The protein was produced from HEK293T cells transfected with FXVD2 cDNA clone (Cat# [RC205076]) using MegaTran 2.0 (Cat# [TT210002]).