

# **Product datasheet for TP305076M**

## OriGene Technologies, Inc.

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### 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, 100 µg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC205076 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MTGLSMDGGGSPKGDVDPFYYDYETVRNGGLIFAGLAFIVGLLILLSRRFRCGGNKKRRQINEDEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:** NP 001671

Locus ID: 486

UniProt ID: P54710

RefSeq Size: 584

Cytogenetics: 11q23.3



#### FXYD2 (NM\_001680) Human Recombinant Protein - TP305076M

RefSeq ORF: 198

**Synonyms:** ATP1G1; HOMG2

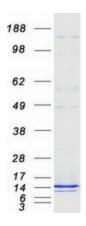
Summary: This gene encodes a member of the FXYD family of transmembrane proteins. This particular

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 FXYD domain-containing ion transport regulator 6 (FXYD6, GeneID

53826) locus.[provided by RefSeq, Feb 2011]

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

## **Product images:**



Coomassie blue staining of purified FXYD2 protein (Cat# [TP305076]). The protein was produced from HEK293T cells transfected with FXYD2 cDNA clone (Cat# [RC205076]) using

MegaTran 2.0 (Cat# [TT210002]).