

## **Product datasheet for PH305076**

## OriGene Technologies, Inc.

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## FXYD2 (NM\_001680) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** FXYD2 MS Standard C13 and N15-labeled recombinant protein (NP\_001671)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

or AA Sequence:

RC205076

**Predicted MW:** 7.3 kDa

**Protein Sequence:** >RC205076 protein sequence

Red=Cloning site Green=Tags(s)

MTGLSMDGGGSPKGDVDPFYYDYETVRNGGLIFAGLAFIVGLLILLSRRFRCGGNKKRRQINEDEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration:** >0.05 μg/μL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.

**RefSeq:** NP 001671

RefSeq Size: 584 RefSeq ORF: 198

Synonyms: ATP1G1; HOMG2

 Locus ID:
 486

 UniProt ID:
 P54710

Cytogenetics: 11q23.3





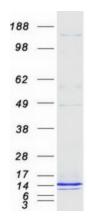
**Summary:** 

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]).