

## Product datasheet for PH305076

### FXVD2 (NM\_001680) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FXVD2 MS Standard C13 and N15-labeled recombinant protein (NP_001671)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205076
Predicted MW:	7.3 kDa
Protein Sequence:	>RC205076 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MTGLSMDGGGSPKGDVDPFYDYETVRNGGLIFAGLAFIVGLLILLRRFRFCGGNKKRRQINEDEP  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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:	<a href="#">NP_001671</a>
RefSeq Size:	584
RefSeq ORF:	198
Synonyms:	ATP1G1; HOMG2
Locus ID:	486
UniProt ID:	<a href="#">P54710</a>
Cytogenetics:	11q23.3



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**Summary:**

This gene encodes a member of the FXYP 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 FXYP domain-containing ion transport regulator 6 (FXYP6, GeneID 53826) locus.[provided by RefSeq, Feb 2011]

**Protein Families:**

Druggable Genome, Ion Channels: Other, Transmembrane

**Product images:**

Coomassie blue staining of purified FXYP2 protein (Cat# [TP305076]). The protein was produced from HEK293T cells transfected with FXYP2 cDNA clone (Cat# [RC205076]) using MegaTran 2.0 (Cat# [TT210002]).