OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH302739

FXYD2 (NM_021603) Human Mass Spec Standard

Product data:

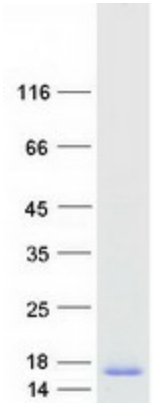
Product Type:	Mass Spec Standards
Description:	FXYD2 MS Standard C13 and N15-labeled recombinant protein (NP_067614)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202739
Predicted MW:	7.4 kDa
Protein Sequence:	>RC202739 protein sequence Red=Cloning site Green=Tags(s) MDRWYLGGSPKGDVDPFYYDYETVRNGGLIFAGLAFIVGLLILLSRRFRCGGNKKRRQINEDEP 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_067614
RefSeq Size:	591
RefSeq ORF:	192
Synonyms:	ATP1G1; HOMG2
Locus ID:	486
UniProt ID:	P54710
Cytogenetics:	11q23.3

View online »

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# [TP302739]). The protein was produced from HEK293T cells transfected with FXYD2 cDNA clone (Cat# [RC202739]) using MegaTran 2.0 (Cat# [TT210002]).