

Product datasheet for PH313945

FXYD3 (NM_005971) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FXYD3 MS Standard C13 and N15-labeled recombinant protein (NP_005962)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213945
Predicted MW:	9.3 kDa
Protein Sequence:	>RC213945 protein sequence Red=Cloning site Green=Tags(s) MQKVTLGLLVFLAGFPVLDANDLEDKNSPFYYDWHSLQVGG LICAGVLCAMGIIIVMSAKCKCKFGQKSG HHPGETPPLITPGSAQS 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_005962
RefSeq Size:	1382
RefSeq ORF:	261
Synonyms:	MAT8; PLML
Locus ID:	5349
UniProt ID:	Q14802
Cytogenetics:	19q13.12



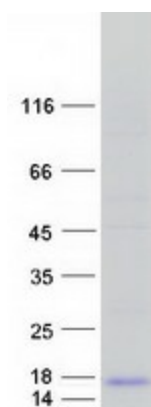
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Summary:

This gene belongs to a small family of FXYD-domain containing regulators of Na⁺/K⁺ ATPases which share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD, and containing 7 invariant and 6 highly conserved amino acids. This gene encodes a cell membrane protein that may regulate the function of ion-pumps and ion-channels. This gene may also play a role in tumor progression. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Oct 2008]

Protein Families:

Ion Channels: Other, Transmembrane

Product images:

Coomassie blue staining of purified FXYD3 protein (Cat# [TP313945]). The protein was produced from HEK293T cells transfected with FXYD3 cDNA clone (Cat# [RC213945]) using MegaTran 2.0 (Cat# [TT210002]).