

Product datasheet for PH308892

FXYD4 (NM_173160) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FXYD4 MS Standard C13 and N15-labeled recombinant protein (NP_775183)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208892
Predicted MW:	9.4 kDa
Protein Sequence:	>RC208892 protein sequence Red=Cloning site Green=Tags(s) MERVTLALLLLAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGLLAIAGIAAVLSGKCKCKSSQKQH SPVPEKAIPLITPGSATT 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_775183
RefSeq Size:	787
RefSeq ORF:	267
Synonyms:	CHIF
Locus ID:	53828
UniProt ID:	P59646
Cytogenetics:	10q11.21



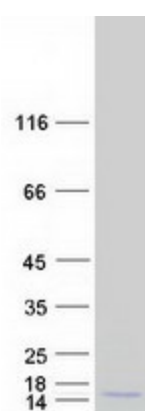
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Summary:

This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXVD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXVD-domain containing ion transport regulator. FXVD4, originally named CHIF for channel-inducing factor, has been shown to modulate the properties of the Na,K-ATPase, as has FXVD2, also known as the gamma subunit of the Na,K-ATPase, and FXVD7. Transmembrane topology has been established for FXVD4 and two family members (FXVD1 and FXVD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. Alternatively spliced transcript variants encoding the same protein have been found.[provided by RefSeq, May 2010]

Protein Families:

Ion Channels: Other, Transmembrane

Product images:

Coomassie blue staining of purified FXVD4 protein (Cat# [TP308892]). The protein was produced from HEK293T cells transfected with FXVD4 cDNA clone (Cat# [RC208892]) using MegaTran 2.0 (Cat# [TT210002]).