

## Product datasheet for PH305819

### FXVD7 (NM\_022006) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FXVD7 MS Standard C13 and N15-labeled recombinant protein (NP_071289)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205819
Predicted MW:	8.5 kDa
Protein Sequence:	>RC205819 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MATPTQTPTKAPEEPDPFYDYNTVQTVGMTLATILFLLGILIVISKVKCRKADSRSESPTCKSCKSEL PSSAPGGGGV  <b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
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_071289</a>
RefSeq Size:	713
RefSeq ORF:	240
Locus ID:	53822
UniProt ID:	<a href="#">P58549</a>
Cytogenetics:	19q13.12



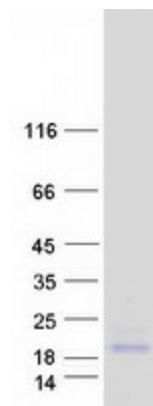
[View online »](#)

**Summary:**

This reference sequence was derived from multiple replicate ESTs and validated by similar human genomic sequence. 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 PFXYP and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYP-domain containing ion transport regulator. Transmembrane topology has been established for two family members (FXYP1 and FXYP2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. FXYP2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYP1 (phospholemman), FXYP2 (gamma), FXYP3 (MAT-8), FXYP4 (CHIF), and FXYP5 (RIC) have been shown to induce channel activity in experimental expression systems. This gene product, FXYP7, is novel and has not been characterized as a protein. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu., Dec 2000]

**Protein Families:**

Ion Channels: Other, Transmembrane

**Product images:**

Coomassie blue staining of purified FXYP7 protein (Cat# [TP305819]). The protein was produced from HEK293T cells transfected with FXYP7 cDNA clone (Cat# [RC205819]) using MegaTran 2.0 (Cat# [TT210002]).