

Recombinant Full Length Human FXYP6 Protein, GST-tagged

Cat. No. FXYP6-5280HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FXYP6 full-length ORF (AAH18652, 1 a.a. - 95 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	95 amino acids
Description	This reference sequence was derived from multiple replicate ESTs and validated by 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. 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. 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. This gene product, FXYP6, is novel and has not been characterized as a protein. Multiple alternatively spliced transcript variants that encode the same protein isoform have been described. RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu.

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Molecular Mass	36.19 kDa
AA Sequence	MELVLVFLCSLLAPMVLASAAEKEKEMDPFHYDYQTLRIGGLVFAVVLFSVGILLILSR RCKCSFNQKPRAPGDDEEAQVENLITANATEPQKAEN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FXVD6 FXVD domain containing ion transport regulator 6 [Homo sapiens (human)]
Official Symbol	FXVD6
Synonyms	FXVD6; FXVD domain containing ion transport regulator 6; FXVD domain-containing ion transport regulator 6; phosphohippolin; FXVD Domain Containing Ion Transport Regulator 6; Phosphohippolin; FXVD Domain-Containing Ion Transport Regulator 6
Gene ID	53826
mRNA Refseq	NM_001164831
Protein Refseq	NP_001158303

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MIM	606683
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UniProt ID	Q9H0Q3
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