

Recombinant Human FXYD6 Protein, GST-tagged

Cat. No. FXYD6-4581H Lot. No. (See product label)

SPECIFICATION

Product Overview Human FXYD6 full-length ORF (AAH18652, 1 a.a. - 95 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

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 PFXYD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYD-domain containing ion transport regulator. FXYD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYD1 (phospholemman), FXYD2 (gamma), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. This gene product, FXYD6, 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.

Molecular Mass 36.19 kDa

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AA Sequence	MELVLVFLCSSLAPMVLASAAEKEKEMDPFHVDYQTLRIGGLVFAVVLFSVGILLILSR RCKCSFNQKPRAPGDEEAQVENLITANATEPQKAEN
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
MIM	606683

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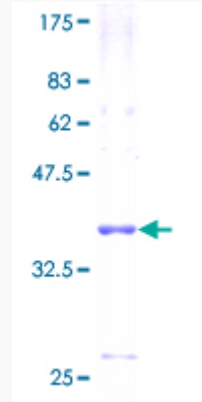
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UniProt ID

Q9H0Q3

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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