

Recombinant Mouse Fxyd6 Protein, Myc/DDK-tagged

Cat. No. Fxyd6-3115M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of mouse full-length FXYP domain-containing ion transport regulator 6 (cDNA clone MGC:25545 IMAGE:3709336), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.

Species Mouse

Source HEK293

Description 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, Fxyd6, is novel and has not been characterized as a protein.

Molecular Mass 10.4 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Fxyd6 FXYP domain-containing ion transport regulator 6 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Fxyd6
Synonyms	Fxyd6; FXYP domain-containing ion transport regulator 6; P; Php; 0610030I18Rik; FXYP domain-containing ion transport regulator 6; PLM-like protein; phosphohippolin
Gene ID	59095
mRNA Refseq	NM_022004
Protein Refseq	NP_071287
UniProt ID	Q9D164

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