

Recombinant Mouse Fxyd1 Protein, Myc/DDK-tagged

Cat. No. Fxyd1-3113M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length FXYD domain-containing ion transport regulator 1 (Fxyd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the FXYD 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 protein encoded by this gene is a plasma membrane substrate for several kinases, including protein kinase A, protein kinase C, NIMA kinase, and myotonic dystrophy kinase. It is thought to form an ion channel or regulate ion channel activity and act as an accessory protein of Na,K-ATPase. Alternatively spliced transcript variants have been described.
Molecular Mass	10.3 kDa
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.

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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 Fxyd1 FXYP domain-containing ion transport regulator 1 [Mus musculus (house mouse)]

Official Symbol Fxyd1

Synonyms Fxyd1; FXYP domain-containing ion transport regulator 1; P; Plm; Pml; 0610012C17Rik; 1110006M24Rik; phospholemman; sodium/potassium-transporting ATPase subunit FXYP1

Gene ID 56188

mRNA Refseq NM_052991

Protein Refseq NP_443717

UniProt ID Q9Z239

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