

Recombinant Mouse Fxyd4 Protein, MYC/DDK-tagged

Cat. No. Fxyd4-354M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse FXYP domain-containing ion transport regulator 4 (Fxyd4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Mouse FXYP5 has been termed RIC (Related to Ion Channel). 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.
Molecular Mass	9.3 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

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 ug/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 Fxyd4 FXYP domain-containing ion transport regulator 4 [Mus musculus (house mouse)]

Official Symbol Fxyd4

Synonyms Fxyd4; FXYP domain-containing ion transport regulator 4; Chif; AI267073; 0610008I02Rik; FXYP domain-containing ion transport regulator 4; channel inducing factor

Gene ID 108017

mRNA Refseq NM_001173372

Protein Refseq NP_001166843

UniProt ID Q9D2W0

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