

Recombinant Human FXYD4, GST-tagged

Cat. No. FXYD4-13057H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FXYD4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-89a.a.
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 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. FXYD4, originally named CHIF for channel-inducing factor, has been shown to modulate the properties of the Na,K-ATPase, as has FXYD2, also known as the gamma subunit of the Na,K-ATPase, and FXYD7. Transmembrane topology has been established for FXYD4 and two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. Alternatively spliced transcript variants encoding the same protein have been found.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM

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GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	FXYP4 FXYP domain containing ion transport regulator 4 [Homo sapiens]
Official Symbol	FXYP4
Synonyms	FXYP domain containing ion transport regulator 4; 4028; Ensembl:ENSG00000150201; FXYP domain-containing ion transport regulator 4;channel-inducing factor; CHIF
Gene ID	53828
mRNA Refseq	NM_001184963.1
Protein Refseq	NP_001171892.1
UniProt ID	P59646
Chromosome Location	10q11.21
Pathway	Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem;
Function	ATPase binding; potassium channel activity;

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