Recombinant Human FXYD4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FXYD4-1042H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FXYD4 MS Standard C13 and N15-labeled recombinant protein (NP_775183) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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 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.
Molecular Mass	9.4 kDa
AA Sequence	MERVTLALLLLAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLS GKCKCKSSQKQHSPVPEKAIPLITPGSATTCTRTRPLEQKLISEEDLAANDILDYKDD

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	DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	FXYD4 FXYD domain containing ion transport regulator 4 [Homo sapiens (human)]
Official Symbol	FXYD4
Synonyms	FXYD4 FXYD domain containing ion transport regulator 4; CHIF; FXYD domain-containing ion transport regulator 4; channel-inducing factor
Gene ID	53828
mRNA Refseq	NM_173160
Protein Refseq	NP_775183
MIM	616926
UniProt ID	P59646

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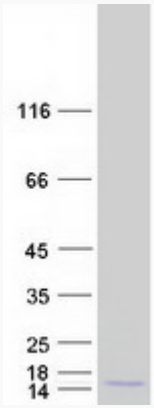
SDS-PAGE	

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