

Recombinant Human FXYP7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FXYP7-3782H Lot. No. (See product label)

SPECIFICATION

Product Overview	FXYP7 MS Standard C13 and N15-labeled recombinant protein (NP_071289) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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, FXYP7, is novel and has not been characterized as a protein.
Molecular Mass	8.5 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MATPTQTPTKAPEEPDPFYDYNTVQTVGMTLATILFLLGILIVISKVKVCKRKADSRSE SPTCKSCKSELPSSAPGGGGVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	FXYP7 FXYP domain containing ion transport regulator 7 [Homo sapiens (human)]
Official Symbol	FXYP7
Synonyms	FXYP7; FXYP domain containing ion transport regulator 7; FXYP domain-containing ion transport regulator 7; FLJ25096;
Gene ID	53822
mRNA Refseq	NM_022006
Protein Refseq	NP_071289
MIM	606684

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