

Product datasheet for **TP308892M**

FXD4 (NM_173160) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FXD domain containing ion transport regulator 4 (FXD4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208892 protein sequence Red =Cloning site Green =Tags(s)
	MERVTLALLLLAGLTALEANDPFANKDDPFYDWNKLNQLSGLICGGLLAIAAGIAAVLSGKCKCKSSQKQH SPVPEKAIPLITPGSATTC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	9.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_775183</u>
Locus ID:	53828
UniProt ID:	<u>P59646</u>
RefSeq Size:	787



[View online »](#)

Cytogenetics: 10q11.21

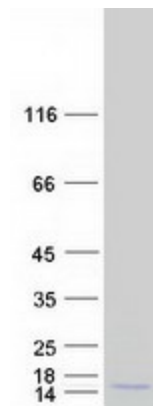
RefSeq ORF: 267

Synonyms: CHIF

Summary: 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.[provided by RefSeq, May 2010]

Protein Families: Ion Channels: Other, Transmembrane

Product images:



Coomassie blue staining of purified FXYD4 protein (Cat# [TP308892]). The protein was produced from HEK293T cells transfected with FXYD4 cDNA clone (Cat# [RC208892]) using MegaTran 2.0 (Cat# [TT210002]).