Recombinant Full Length Human TAZ Protein

Cat. No. TAZ-522HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Tafazzin/TAZ protein with an N terminal proprietary tag; predicted mwt: 54.56 kDa with the tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	262 amino acids
Description	This gene encodes a protein that is expressed at high levels in cardiac and skeletal muscle. Mutations in this gene have been associated with a number of clinical disorders including Barth syndrome, dilated cardiomyopathy (DCM), hypertrophic DCM, endocardial fibroelastosis, and left ventricular noncompaction (LVNC). Multiple transcript variants encoding different isoforms have been described. A long form and a short form of each of these isoforms is produced; the short form lacks a hydrophobic leader sequence and may exist as a cytoplasmic protein rather than being membrane-bound. Other alternatively spliced transcripts have been described but the full-length nature of all these transcripts is not known.
Form	Liquid
Molecular Mass	54.560kDa inclusive of tags
AA Sequence	MPLHVKWPFPAVPPLTWTLASSVVMGLVGTYSCFWTSEWA QAEAGPPGYPCPAG GILKLRHIWNLKLMRWTPAAADICFT KELHSHFFSLGKCVPVCRGDGVYQKGMDFIL

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	EKLNHGDWV HIFPEGIGRLIAECHLNPIILPLWHVGEPGDGDREMASGV GGLGLPL VPGCPAPPHVWPSVHCAAGMNDVLPNSPPYFPR FGQKITVLIGKPFSALPVLERLR AENKSAVEMRKALTDFI QEEFQHLKTQAEQLHNHLQPGR
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	TAZ tafazzin [Homo sapiens]
Official Symbol	TAZ
Synonyms	TAZ; tafazzin; cardiomyopathy, dilated 3A (X linked) , CMD3A, EFE, EFE2, endocardial fibroelastosis 2; Barth syndrome; BTHS; G4.5; XAP 2
Gene ID	6901
mRNA Refseq	NM_000116
Protein Refseq	NP_000107
MIM	300394
UniProt ID	Q16635

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