

Recombinant Full Length Human TUBB1 Protein, GST-tagged

Cat. No. TUBB1-6776HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TUBB1 full-length ORF (NP_110400.1, 1 a.a. - 451 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	451 amino acids
Description	Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. The encoded protein is a plasma integral membrane protein which functions both as an organic cation transporter and as a sodium-dependent high affinity carnitine transporter. The encoded protein is involved in the active cellular uptake of carnitine. Mutations in this gene are the cause of systemic primary carnitine deficiency (CDSP), an autosomal recessive disorder manifested early in life by hypoketotic hypoglycemia and acute metabolic decompensation, and later in life by skeletal myopathy or cardiomyopathy. Alternative splicing of this gene results in multiple transcript variants.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	76.7 kDa
AA Sequence	MREIVHIQIGQCGNQIGAKFWEMIGEEHGDLAGSDRGASALQLERISVYYNEAYGR

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KYVPRAVLVDLEPGTMDsirSSKLgALFQPDSFVHGNSGAGNNWAKGHYTEGAELI
 ENVLEVVRHESESCDCLQGfQIVHSLGGGTGSGMGtLLMnKIREEYPDRIMNSFSV
 MPSPKVSdTVVEPYNAVLSIHqLIENADACFCIDNEALYDICFRTLKLTtPTYGDLNHL
 VSLTMSGITSLRfPGQLNADLRKLAVNMVpPRLHFFMPGFAPLTAQGSQQYRAL
 SVAELTQQMFDARNTMAACDLRRGRyLTVACIFRGKMSTKEVDQQLSVQTRNSS
 CFVEWIPNNVKVAVCDIPPRGLSMAATFIgnNTAIqEIfNRVSEHFSAmfKRKAfVH
 WYTSEGMDINEFGEAENNIHDLVSEYQQFQDAKAVLEEDeeVTEEAEMEPEDKGH

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name TUBB1 tubulin, beta 1 class VI [Homo sapiens]

Official Symbol TUBB1

Synonyms TUBB1; tubulin, beta 1 class VI; tubulin, beta 1; tubulin beta-1 chain; class VI beta tubulin; dJ543J19.4; class VI beta-tubulin; beta tubulin 1, class VI;

Gene ID 81027

mRNA Refseq NM_030773

Protein Refseq NP_110400

MIM 612901

UniProt ID Q9H4B7

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