

Recombinant Full Length Human TUBB4A Protein, C-Flag-tagged

Cat. No. TUBB4A-1213HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TUBB4A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the beta tubulin family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. Mutations in this gene cause hypomyelinating leukodystrophy-6 and autosomal dominant torsion dystonia-4. Alternate splicing results in multiple transcript variants encoding different isoforms. A pseudogene of this gene is found on chromosome X.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.4 kDa
AA Sequence	MREIVHLQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGSDQLQLERINVYYNEATGG NYVPRAVLVDLEP GTMDSVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAE LVDAVLVDVVRKEAESCDCLQGFQLTHSLG GGTGSGMGTLISKIREEPDRIMNTFS VVPSPKVSDTVVEPYNATLSVHQLVENTDETYCIDNEALYDI CFRTLKLTPTTYGDLN HLVSATMSGVTTCLRFPGQLNADLRKLAVNMVPFRLHFFMPGFAPLTSRGSQQ Y RALTVPELTQQMFDAKNMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLSVQS

 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

KNSSYFVEWIPNNVK TAVCDIPPRGLKMAATFIGNSTAIQELFKRISEQFTAMFRRKA
 FLHWYTGEGMDEMEFTEAESNMNDLVS
 EYQQYQDATAEEGEFEEEEAEVATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Gap junction, Pathogenic Escherichia coli infection
Full Length	Full L.

GENE INFORMATION

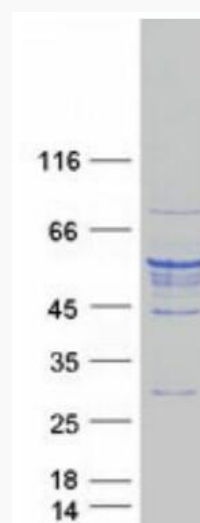
Gene Name	TUBB4A tubulin beta 4A class IVa [Homo sapiens (human)]
Official Symbol	TUBB4A
Synonyms	DYT4; TUBB4; beta-5
Gene ID	10382

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mRNA Refseq	NM_006087.4
Protein Refseq	NP_006078.2
MIM	602662
UniProt ID	P04350



Coomassie blue staining of purified TUBB4A protein.