TUBB4A Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	TUBB4A, Lysate
Full Product Name	Human TUBB4A Protein Lysate
Product Gene Name	TUBB4A lysate
Product Synonym Names	TUBB4A; beta-5; DYT4; TUBB4
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C This protein lysate can be reconsituted using SDS Sample Buffer. Once reconsituted, aliquot and store any remaining material at -20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	49,586 Da
3D Structure	ModBase 3D Structure for P04350
Species	Human
Related Product Information for TUBB4A lysate	Human TUBB4A Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells.
Other Notes	Small volumes of TUBB4A lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TUBB4A purchase	MBS8429329 is a lysate targeting TUBB4A. Also known as Human TUBB4A Protein Lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TUBB4A. It may not necessarily be applicable to this product.

NCBI GI #	21361322
NCBI GeneID	10382
NCBI Accession #	NP_006078
UniProt Primary Accession #	P04350
UniProt Secondary Accession #	Q969E5; B3KQP4
UniProt Related Accession #	P04350
GenBank Nucleotide #	NM_006087
NCBI Official Full Name	tubulin beta-4A chain isoform 3
NCBI Official Synonym Full Names	tubulin, beta 4A class IVa
NCBI Official Symbol	TUBB4A
NCBI Official Synonym Symbols	DYT4; TUBB4; beta-5
Protein Family	Tubulin
NCBI Protein Information	tubulin beta-4A chain

NCBI Summary for TUBB4A	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. [provided by RefSeq, Jan 2014]
Research Articles on TUBB4A	**1.** Novel TUBB4A mutations expands the phenotype of TUBB4A-related hypomyelinating conditions beyond hypomyelination with atrophy of the basal ganglia and cerebellum.
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