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Product Datasheet

Human Tau-441 / 2N4R Pre-formed Fibrils Protein, Tag Free, Unconjugated, E. coli ABS-TAU-H5115-500UG

Article Name	Human Tau-441 / 2N4R Pre-formed Fibrils Protein, Tag Free, Unconjugated, E. coli
Biozol Catalog Number	ABS-TAU-H5115-500UG
Supplier Catalog Number	TAU-H5115-500ug
Alternative Catalog Number	ABS-TAU-H5115-500UG
Manufacturer	AcroBiosystems
Host	E. coli
Category	Proteine/Peptide
Species Reactivity	Human
Conjugation	Unconjugated
Product Description	Tau is a microtubuleassociated protein, which encodes by the MAPT gene that located on chromosome 17q21. Tau Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. Hyperphosphoryl...
Molecular Weight	45.8 kDa
Tag	Native
NCBI	10636
Buffer	PBS, pH7.4
Purity	90%

Form	Liquid
Target	Tau
Application Notes	1. Sonication Conditions, Dissolution, Aliquoting, Storage, and Notes for PFF Thawing: Thaw PFFs rapidly in a 37 C water bath, or allow to thaw at room temperature. Aliquoting: Since PFFs are supplied as a suspension, pipette up and down thoroughly before aliquoting to ensure homogeneity. Storage: Store at -80 C at all times, avoid storage at 4 C or -20 C, which can induce fibril depolymerization. * alpha-Syn fibrils cold-denatured to monomers at 0-20 C and heat-denatured at 60-110 C. Sonication: The sonication protocols below are based on cell-based assay conditions. -Option 1 (Probe Sonicator): Use a probe sonicator (SCIENTZ) at 10% power (-95 W), applying 60 pulses of 0.5 s on/0.5 s off (recommended). -Option 2 (Ultrasonic Bath): Sonicate in an ultrasonic cleaner (40 kHz, 200-400 W) at 37 C for 1 hour, avoid performing the treatment at 4 C or 20 C. Note: The above sonication protocols are based on cell-based assays, other applications (e.g., in vivo injections) may require optimization-users should determine their optimal settings for their specific use case. 2. Recommendations for PFF Use in Animal Models Minimize Freeze-Thaw Cycles: For animal studies, it is recommend to use the PFF at once or aliquot before use to avoid repeated freeze-thaw cycles. PFF Maintenance During Injections: During stereotaxic injections, keep the sonicated PFFs in a 37 C water bath to prevent re-aggregation or sedimentation.