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Product Datasheet

Human Alpha-Synuclein (A53T) Pre-formed Fibrils Protein, Tag Free, Unconjugated, E. coli ABS-ALN-H5114-500UG

Artikelname	Human Alpha-Synuclein (A53T) Pre-formed Fibrils Protein, Tag Free, Unconjugated, E. coli
Artikelnummer	ABS-ALN-H5114-500UG
Hersteller Artikelnummer	ALN-H5114-500ug
Alternativnummer	ABS-ALN-H5114-500UG
Hersteller	AcroBiosystems
Wirt	E. coli
Kategorie	Proteine/Peptide
Spezies Reaktivität	Human
Konjugation	Unconjugated
Produktbeschreibung	Alphasynuclein is a neuronal protein that plays several roles in synaptic activity such as regulation of synaptic vesicle trafficking and subsequent neurotransmitter release. It acts also as a molecular chaperone in its multimeric membranebound state...
Molekulargewicht	14.5 kDa
Tag	Native
NCBI	37840
Puffer	PBS, pH7.4
Reinheit	90%

Formulierung	Liquid
Target-Kategorie	Alpha-Synuclein
Anwendungsbeschreibung	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.