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Product Datasheet

Alexa Fluor(TM) 488-Labeled Human Alpha-Synuclein Pre-formed Fibrils Protein, Tag Free, AF488, E. coli
ABS-ALN-HA114-1MG

Article Name	Alexa Fluor(TM) 488-Labeled Human Alpha-Synuclein Pre-formed Fibrils Protein, Tag Free, AF488, E. coli
Biozol Catalog Number	ABS-ALN-HA114-1MG
Supplier Catalog Number	ALN-HA114-1mg
Alternative Catalog Number	ABS-ALN-HA114-1MG
Manufacturer	AcroBiosystems
Host	E. coli
Category	Proteine/Peptide
Species Reactivity	Human
Conjugation	AF488
Product Description	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...
Molecular Weight	14.5 kDa
Tag	Native
NCBI	37840
Buffer	PBS, pH7.4
Purity	90%

Form	Liquid
Target	Alpha-Synuclein
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.