# Product Citations

# Alpha Synuclein

## *Alpha Synuclein Pre-formed Fibrils (PFFs)*

### **Alpha Synuclein Pre-formed Fibrils (Type 1) |** product# SPR-322

**Suppression of aggregate and amyloid formation by a novel intrinsically disordered region in metazoan Hsp110 chaperones.** *Yakubu, U, et al. J Biol Chem. 2021. PMID: 33753171.*

**Design, synthesis and chemically engineered graphene quantum dot applications: contrast agent for MR imaging and targeted therapeutics on Parkinson's treatment.** *Poonkuzhali, K. et al. SSRN. 2022.*

**Rational generation of monoclonal antibodies selective for pathogenic forms of alpha-synuclein.**
*Gibbs, E. et al. Biomedicines. 2022. PMID: 36140270.*

**LRP1 is a neuronal receptor for α-synuclein uptake and spread.**
*Chen, K. et al. Mol Neurodegener. 2022. PMID: 36056345.*

**Granulovacuolar degeneration bodies are independently induced by tau and α-synuclein pathology.**
*Jorge-Oliva, M. et al. Alzheimers Res Ther. 2022. PMID: 36517915.*

**Disrupting the α-Synuclein-ESCRT interaction with a peptide inhibitor mitigates neurodegenerataion in preclinical models of Parkinson's disease.** *Nim, S. et al. Nat Commun. 2023. PMID: 37076542.*

**Two-color coincidence single-molecule pull-down for the specific detection of disease-associated protein aggregates.**
*Saleeb, R.S. et al. Sci Adv. 2023. PMID: 37967183.*

**α-Synuclein-dependent increases in PIP5K1γ drive inositol signaling to promote neurotoxicity.**
*Horvath, J.D. et al. Cell Reports. 2023. PMID: 37838947*

**Immunization effects of a novel α-synuclein-based peptide epitope vaccine in Parkinson's disease-associated pathology.**
*Park, J.S. et al. Vaccines. 2023. PMID: 38140224.*

### **Alpha Synuclein Pre-formed Fibrils (Type 1, Atto 594) |** product# SPR-322-A594

**Aggregation of alpha-synuclein in enteric neurons does not impact function in vitro.**
*Bindas, A.J. et al. Sci Rep. 2022. PMID: 36564445.*

### **Alpha Synuclein Pre-formed Fibrils (Type 2) |** product# SPR-317

**Observation of α-synuclein preformed fibrils interacting with SH-SY5Y neuroblastoma cell membranes using scanning ion conductance microscopy.** *Feng, C. et al. ACS Pub. 2022. PMID: 36455298.*

**Flow cytometric isolation of drug-like conformational antibodies specific for amyloid fibrils.**
*Desai et al. bioRxiv [Preprint]. 2023. PMID: 37461643.*

### **Alpha Synuclein A53T Mutant Pre-formed Fibrils (Type 1) |** product# SPR-326

**Reelin alleviates mesenchymal stem cell senescence and reduces pathological α-synuclein expression in an in vitro model of Parkinson's disease.** *Cho, E. et al. Genes (Basel). 2021. PMID: 34356083.*

**Reelin protects against pathological alpha-synuclein accumulation and dopaminergic neurodegeneration after environmental enrichment in Parkinson's disease.**
*Cho, E. et al. Neurobiol Dis. 2022. PMID: 36270619.*

# Product Citations

# Alpha Synuclein

## *Alpha Synuclein Pre-formed Fibrils (PFFs)*

### **Alpha Synuclein Pre-formed Fibrils (Type 1, mouse) |** product# SPR-324

**The SUMO conjugase Ubc9 protects dopaminergic cells from cytotoxicity and enhances the stability of α-synuclein in Parkinson's disease models.** *Verma, D.K. et al. eNeuro. 2020. PMID: 32887693.*

**Alpha-synuclein preformed fibrils induce cellular senescence in Parkinson's disease models.**
*Verma, D.K. et al. Cells. 2021. PMID: 34359864.*

**Domain-independent inhibition of CBP/p300 attenuates α-synuclein aggregation.**
*Hlushchuk, I. et al. ACS Chem Neurosci. 2021. PMID: 34110772.*

**Heat shock Protein 70 as a sex-skewed regulator of α-synucleinopathy.**
*Bhatia, T. N. et al. Neurotherapeutics. 2021. PMID: 34528172.*

**Cell culture media, unlike the presence of insulin, affect α-synuclein aggregation in dopaminergic neurons.**
*Hlushchuk, I. et al. Biomolecules. 2022. PMID: 35454152.*

**A novel NOX inhibitor treatment attenuates Parkinson's disease-related pathology in mouse models.**
*Ghosh, A. A. et al. Int J Mol Sci. 2022. PMID: 35457082.*

**Genetic and pharmacological reduction of CDK14 mitigates α-synuclein pathology in human neurons and in rodent models of Parkinson's disease.**
*Parmasad, J.L. et al. bioRXiv [Preprint]. 2022.*

**Targeted degradation of alpha-synuclein aggregates in Parkinson's disease using the AUTOTAC technology.**
*Lee, J. et al. Mol Neurodegener. 2023. PMID: 37355598.*

**Flow cytometric isolation of drug-like conformational antibodies specific for amyloid fibrils.**
*Desai et al. bioRxiv [Preprint]. 2023. PMID: 37461643.*

**A novel NOX inhibitor alleviates Parkinson's disease pathology in PFF-injected mice.**
*Ofori, K. et al. Int J Mol Sci. 2023. PMID: 37762579.*

**Fluorescent peptide-based probe for the detection of alpha-synuclein aggregates in the gut.**
*Sim, R. et al. bioRxiv [Preprint]. 2023.*

### **N-Terminal Acetylated Alpha Synuclein Pre-formed Fibrils |** product# SPR-332

**Flow cytometric isolation of drug-like conformational antibodies specific for amyloid fibrils.**
*Desai et al. bioRxiv [Preprint]. 2023. PMID: 37461643.*

# Product Citations
# Alpha Synuclein

## *Alpha Synuclein Oligomers*

### **Alpha Synuclein Oligomers (Kinetically Stable) |** product# SPR-484

**LRP1 is a neuronal receptor for α-synuclein uptake and spread.**
*Chen, K. et al. Mol Neurodegener. 2022. PMID: 36056345.*

**Two-color coincidence single-molecule pull-down for the specific detection of disease-associated protein aggregates.**
*Saleeb, R.S. et al. Sci Adv. 2023. PMID: 37967183.*

**Flow cytometric isolation of drug-like conformational antibodies specific for amyloid fibrils.**
*Desai et al. bioRxiv [Preprint]. 2023. PMID: 37461643.*

## *Alpha Synuclein Monomers*

### **Alpha Synuclein Protein Monomers (Type 1) |** product# SPR-321

**Suppression of aggregate and amyloid formation by a novel intrinsically disordered region in metazoan Hsp110 chaperones.** *Yakubu, U, et al. J Biol Chem. 2021. PMID: 33753171.*

**Two-color coincidence single-molecule pull-down for the specific detection of disease-associated protein aggregates.**
*Saleeb, R.S. et al. Sci Adv. 2023. PMID: 37967183.*

### **Alpha Synuclein A53T Mutant Monomers (Type 1) |** product# SPR-325

**Mutant α-synuclein propagates via the lymphatic system of the brain in the monomeric state.**
*Fujita, K. et al. Cell Rep. 2023. PMID: 37591248.*

### **N-Terminal Acetylated Alpha Synuclein Monomers |** product# SPR-331

**C-terminally truncation is a prominent post-translational modification of human erythrocyte α-synuclein.**
*Amagai, R. et al. J Biochem. 2024. PMID: 38308089.*