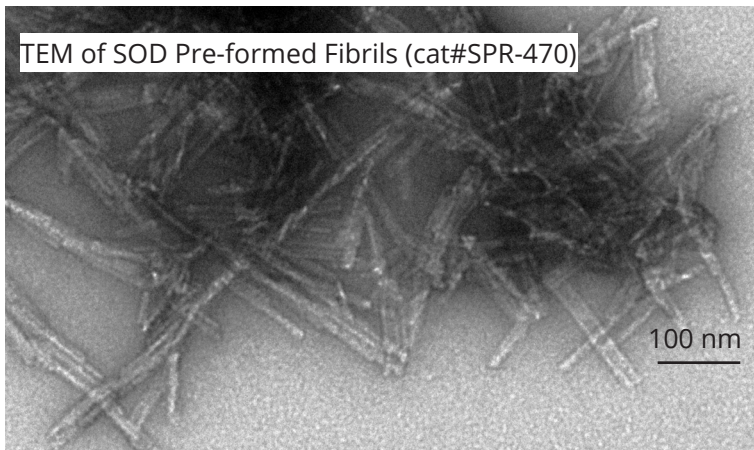


SOD and Transthyretin (TTR)

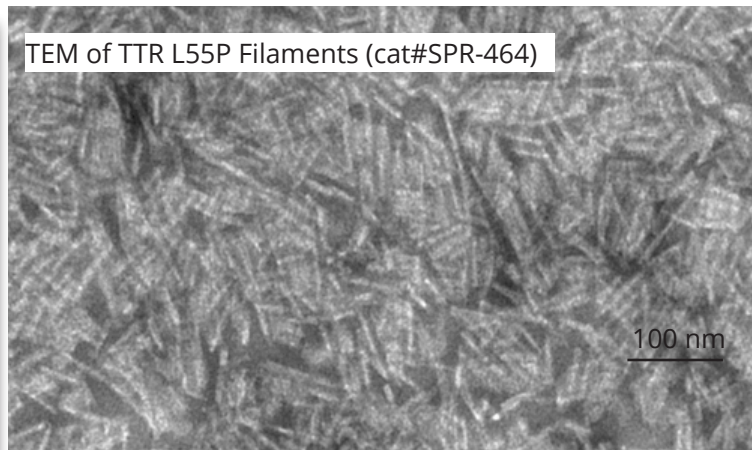
SOD1 misfolding and aggregation into neurotoxic species is implicated in Amyotrophic Lateral Sclerosis (ALS). StressMarq's SOD Pre-formed Fibrils (cat# SPR-470) seed the aggregation of SOD1 monomers.

Transthyretin (TTR) misfolding is associated with amyloid diseases. Both the L55P and Y78F mutants are amyloidogenic.^{1,2}

TEM of SOD Pre-formed Fibrils (cat#SPR-470)



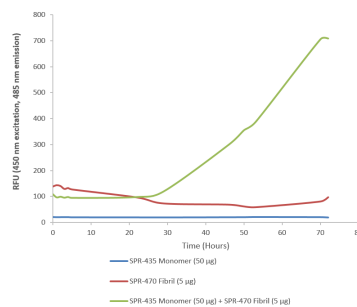
TEM of TTR L55P Filaments (cat#SPR-464)



SOD & Transthyretin (TTR) Proteins

Product	Species	Length/ Fragment	Expression System	Mutant	Structure	Catalog#
Superoxide Dismutase (SOD) Protein Monomers	Human	Full Length	E. coli	WT	Monomer	SPR-435
Superoxide Dismutase (SOD) Pre-formed Fibrils	Human	Full Length	E. coli	WT	Pre-formed Fibrils	SPR-470
Transthyretin (TTR) L55P Variant Protein Monomers	Human	Full Length	E. coli	L55P	Monomer	SPR-451
Transthyretin Y78F Variant Protein Monomers	Human	Full Length	E. coli	Y78F	Monomer	SPR-452
Transthyretin L55P Variant Protein Filaments	Human	Full Length	E. coli	L55P	Filament (Soluble) ³	SPR-464
Transthyretin Y78F Variant Protein Filaments	Human	Full Length	E. coli	Y78F	Filament (Soluble) ³	SPR-465

Thioflavin T assay of SOD1 pre-formed fibrils (PFFs) (cat#SPR-470) combined with SOD1 monomers (cat#SPR-435). Pre-formed fibrils seed the aggregation of monomers, leading to an increase in Thioflavin T fluorescence.



SOD Antibodies

Product Name	Host	Applications	Species Reactivity	Catalog#
Anti-Human SOD (Cu/Zn) Polyclonal	Rabbit	WB, IHC, IP	Hu, Rt, Ms, Bv, Mk, Inv, Co, Dg, Hm, Pg, Rb, Sh, Xe, Mlsk, Fs	SPC-116
Anti-Rat SOD (Cu/Zn) Polyclonal	Rabbit	WB, IHC, ICC/IF, IP	Hu, Rt, Ms, Bv, Fu	SPC-115
Anti-Human SOD1 (UbetaB) Polyclonal	Rabbit	WB, ICC/IF	Hu, Ms, Rt	SPC-205
Anti-Human SOD1 (EDI) Polyclonal	Rabbit	WB, IHC	Hu, Ms, Rt, Pg	SPC-206

1. Lashuel, H.A. et al. (1999) Biochem. 38(41):13560-73.
 2. Terazaki, H. et al. (2006) Lab. Investigation. 86, 23-31
 3. May contain small amounts of insoluble fibrils depending on handling.