Human a-Synuclein Recombinant protein (GST tag & His tag)

Catalog Number	505565
Synonyms	Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor
Species	Human
Expression System	E. coli
Accession	P37840
Gene ID	6622

Product Information

Sequence Region	1-140
Form	Lyophilized powder
Formulation	Protein lyophilized in sterile PBS (58 mM Na2HPO4, 17 mM NaH2PO4, 68 mM NaCl, 100 mM GSH, pH 8.0). Trehalose (5-8%) and mannitol (5-8%) protectants were added before lyophilization.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
Protein Construction	A DNA sequence encoding the NM_001375288 (1-140) aa was fused with the N-terminal GST tag and C-terminal 6His tag

Storage & Handling

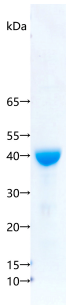
Reconstitution	Reconstitute at 0.25 µg/µl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

Description

Description	Please note: evidence show possible phosphorylation at S129, which links to Parkinson's disease. May be involved in the regulation of dopamine release and transport. Induces fibrillization of microtubule-associated protein tau. Reduces neuronal responsiveness to various apoptotic stimuli, leading to a decreased caspase-3 activation.

Validation

SDS-PAGE



Recombinant human a-Synuclein SDS-PAGE