

Beta Synuclein (Type 1) Recombinant Protein | SNCB recombinant protein

Human Recombinant Beta Synuclein Protein Pre-formed Fibrils (Type 1)

CATALOG # AAA254089	HOST E coli	APPLICATIONS SDS-Page, Western Blot
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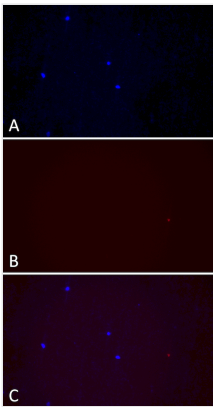
PRODUCT SYNONYMS

Beta Synuclein (Type 1); Human Recombinant Beta Synuclein Protein Pre-formed Fibrils (Type 1); Beta Synuclein Pre-formed Fibrils (Type 1); Beta Synuclein; 14 kDa brain-specific protein aggregates; Beta-synuclein Protein Aggregates; Phosphoneuroprotein 14 Protein Aggregates; PNP14 Protein Aggregates; SnCB Protein Aggregates; Synuclein beta Protein Aggregates; SYUB_HUMAN Protein Aggregates; SNCB recombinant protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	>95%; Ion-exchange Purified
Form/Format	PBS pH 7.4
Concentration	Lot/batch specific. See included datasheet. (varies by lot)
Sequence Length	Full length
Applicable Applications for SNCB recombinant protein	Invitro Assay, SDS-PAGE, WB (Western Blot)
Species	Human
Conjugation	No tag
Research Area	Neuroscience, Neurodegeneration, Alzheimer's Disease, Tangles & Tau, Neuroscience, Neurodegeneration, Parkinson's Disease, Synuclein
Cellular Localization	Cytoplasm
Certificate of Analysis	Certified >95% pure using SDS-PAGE analysis.
Other Relevant Information	For best results, sonicate immediately prior to use. Refer to the Neurodegenerative Protein Handling Instructions on our website, or on the product datasheet for further information.
Preparation and Storage	Store at -80 degree C

IMAGES



Application Data
Primary rat hippocampal neurons treated with human beta-synuclein pre-formed fibrils (AAA254089) do not show Lewy body inclusion formation. Fibrils were sonicated 1 hour and added at 1 µg/mL concentration. A) Hoechst. B) pSer129. C) Merge.



Application Data
TEM of active human recombinant beta-synuclein pre-formed fibrils (Type 1) (AAA254089)

ADDITIONAL INFORMATION

Related Product Information for SNCB recombinant protein	Alzheimer's Disease (AD) is the most common neurodegenerative disease, affecting 10% of seniors over the age of 65 (1). It was named after Alois Alzheimer, a German scientist who discovered tangled bundles of fibrils where neurons had once been in the brain of a deceased patient in 1907 (2). Beta synuclein is abundant in neurofibrillary lesions of patients with Alzheimer's Disease. Beta synuclein is suggested to be an inhibitor of alpha synuclein aggregation- protecting the central nervous system from the neurotoxin effects of alpha synuclein (3).
Product Categories/Family for SNCB recombinant protein	Proteins
References	1. www.alz.org/alzheimers-dementia/facts-figures2. Alzheimer, A. Über eine eigenartige Erkrankung der Hirnrinde. Allg. Z. Psychiatr. Psych.-Gerichtl. Med. 64, 146-148 (1907). 3. Taschenberger G., et al. (2013) Ann Neurol. 74(1): 109-118.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255903
NCBI GeneID	6620
NCBI Accession #	NP_001001502.1
NCBI GenBank Nucleotide #	NM_001001502.1
UniProt Accession #	Q16143; Q6IAX7
Molecular Weight	14,288 Da
NCBI Official Full Name	beta-synuclein
NCBI Official Synonym Full Names	synuclein, beta
NCBI Official Symbol	SNCB
NCBI Protein Information	beta-synuclein
UniProt Protein Name	Beta-synuclein
UniProt Gene Name	SNCB
UniProt Entry Name	SYUB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

