

Truncated Tau Fragment (AA297-391)(dGAE) Protein Monomers Recombinant Protein | dGAE recombinant protein

Human Recombinant Truncated Tau Fragment (AA297-391)(dGAE) Protein Monomers

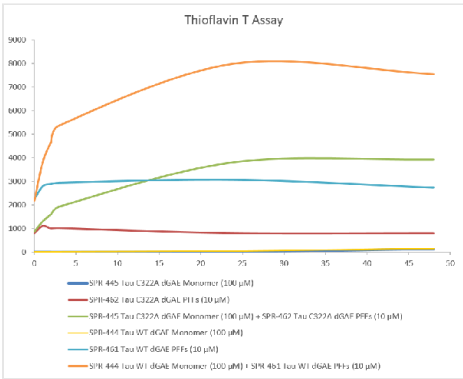
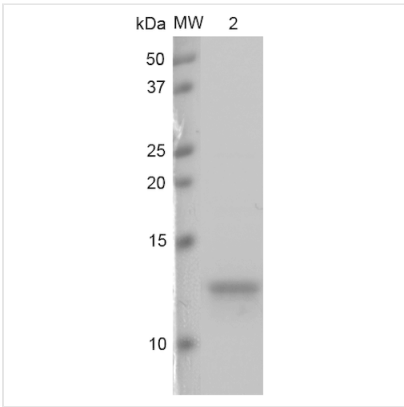
CATALOG # AAA254086	HOST E coli	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Truncated Tau Fragment (AA297-391)(dGAE) Protein Monomers; Human Recombinant Truncated Tau Fragment (AA297-391)(dGAE) Protein Monomers; Tau Truncated Fragment (AA297-391)(dGAE) Monomers; Truncated Tau Fragment (AA297-391)(dGAE); Tau monomer; Tau protein monomer; Tau protein; microtubule-associated protein Tau; MAPT; MAP; microtubule-associated protein; Truncated Tau Protein Monomer; Paired Helical Filament-Tau; Phf-Tau; Neurofibrillary Tangle Protein; G Protein Beta1/Gamma2 Subunit-Interacting Factor 1; Isoform 2; tubulin-associated unit; 95-amino acid Tau protein fragment; Truncated Tau Protein; dGAE recombinant protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	>95%; Ion-exchange Purified
Form/Format	10mM PB pH 7.4
Concentration	2 mg/ml (varies by lot)
Sequence	IKHVPGGGSV QIVYKPDLS KVTSCGSLG NIHHKPGGGQ VEVKSEKLD KDRVQSKIGS LDNITHVPGG GNKKIETHKL TFRENAKAKT DHGAE
Applicable Applications for dGAE recombinant protein	Invitro Assay, SDS-PAGE, WB (Western Blot)
Species	Human
Tag	No tag
Research Area	Alzheimer's Disease, Axon Markers, Cell Markers, Cell Signaling, Cytoskeleton, Microtubules, MT Associated Proteins, Neurodegeneration, Neuron Markers, Neuroscience, Tangles & Tau
Cellular Localization	Cytoplasm, Axolemma, Axolemma Plasma Membrane, Axon, Cell Body, Cell membrane, Cytoplasmic Ribonucleoprotein Granule, Cytoplasmic Side, Cytoskeleton, Cytosol, Dendrite, Growth cone, Microtubule, Microtubule Associated Complex, Neurofibrillary Tangle, Neuronal Cell Body, Nuclear Periphery, Nuclear Speck, Nucleus, Peripheral membrane protein, Plasma Membrane, Tubulin Complex
Nature	Recombinant
Certificate of Analysis	Certified >95% pure using SDS-PAGE analysis. Low endotoxin <5 EU/mL @ 2mg/mL.
Cellular Localization	Axolemma, Axolemma Plasma Membrane, Axon, Cell Body, Cell membrane, Cytoplasm, Cytoplasmic Ribonucleoprotein Granule, Cytoplasmic Side, Cytoskeleton, Cytosol, Dendrite, Growth cone, Microtubule, Microtubule Associated Complex, Neurofibrillary Tangle, Neuronal Cell Body, Nuclear Periphery, Nuclear Speck, Nucleus, Peripheral membrane protein, Plasma Membrane, Tubulin Complex
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -80 degree C. Avoid freeze/thaw cycles



Application Data

Thioflavin T is a fluorescent dye that binds to beta sheet-rich structures, such as those in tau fibrils. Upon binding, the emission spectrum of the dye experiences a red-shift and increased fluorescence intensity. Thioflavin T emission curves show increased fluorescence (correlated to tau aggregation) over time when truncated tau fragment (AA297-391) (dGAE) monomer is combined with truncated tau fragment (AA297-391) (dGAE) Pre-formed fibrils (Type 1).

ADDITIONAL INFORMATION

Product Categories/Family for dGAE 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. Al-Hilaly, Y.K. et al. Alzheimer's Disease-like Paired Helical Filament Assembly from Truncated Tau Protein Is Independent of Disulfide Crosslinking. J. Mol. Biol. 429(23):3650-3665 (2017)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754638
NCBI GeneID	4137
NCBI Accession #	NP_005901.2
NCBI GenBank Nucleotide #	NM_005910.5
UniProt Accession #	P10636; P18518; Q14799; Q15549; Q15550; Q15551; Q1RMF6; Q53YB1; Q5CZ17; Q5XWFO; Q6QT54; Q9UDJ3
Molecular Weight	10.165 kDa
NCBI Official Full Name	microtubule-associated protein tau isoform 2
NCBI Official Synonym Full Names	microtubule-associated protein tau
NCBI Official Symbol	MAPT
NCBI Official Synonym Symbols	TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17; PPP1R103
NCBI Protein Information	microtubule-associated protein tau; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; microtubule-associated protein tau, isoform 4; protein phosphatase 1, regulatory subunit 103; G protein beta1/gamma2 subunit-interacting factor 1
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	MAPT
UniProt Synonym Gene Names	MAPTL; MTBT1; TAU; PHF-tau
UniProt Entry Name	TAU_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.

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Online datasheet: <https://stage.aaabiotech.com/mapt-recombinant-protein-e-coli-invitro-assay-sds-page-wb-western-blot/254086>