DATASHEET

Recombinant Human Tau (acetyl K274) Protein

CAT. NO. AXP6624

KEY FEATURES

Target	MAPT	Expression Systems	Escherichia coli
Species	Human	Tag	C-His
Modification	Acetylation	Storage	-20°C

BACKGROUND

Tau (acetyl K274) refers to the tau protein with an acetyl group attached at the lysine 274 residue, a modification strongly linked to Alzheimer's disease (AD), promoting synaptic dysfunction, memory loss, and increased aggregation by disrupting protein interactions, especially with the memory protein KIBRA, and altering mitochondrial dynamics, making it a key pathological feature of tauopathies. This supplementary information is collated from multiple sources and compiled automatically.

OVERVIEW

Product name	Recombinant Human Tau (acetyl K274) Protein
Protein name	Microtubule-associated protein tau
Molecular Weight	48 kDa
Modification	Acetylation
Purification	6xHis at C-terminus
Usage	This product is validated for use as an immunogen and as a reagent in immunological assays
Form/Buffer	Liquid; Phosphate buffered saline
Organism	Homo sapiens (Human)
Alternative Names	Neurofibrillary tangle protein; Paired helical filament-tau (PHF-tau)
Gene Symbol	MAPT
Entrez Gene	4137
SwissProt	P10636

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STORAGE

Shipped on dry ice.

Avoid repeated freeze-thaw cycles. Upon receipt,

* 2 days when stored at 2 to 8 °C

* 12 months when aliquoted and stored at -20 °C or below

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com