

Product Name: Recombinant Human Tau-F
Catalog #: PEH1606

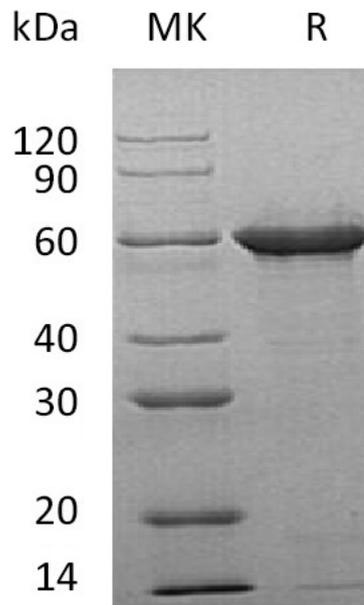


Summary

Name	Tau-F/Microtubule-associated protein tau
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Microtubule-Associated Protein Tau-F is produced by our E.coli expression system and the target gene encoding Met1-Leu441 is expressed.
Accession #	P10636-8
Host	E.coli
Species	Human
Predicted Molecular Mass	45.85 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Microtubule-associated protein tau; MAPTL; Neurofibrillary tangle protein; MTBT1; Paired helical filament-tau; TAU and MAPT

Background

Tau proteins are proteins which contain four Tau/MAP repeats. They promote microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. They are abundant in neurons of the central nervous system and are less common elsewhere, but are also expressed at very low levels in CNS astrocytes and oligodendrocytes. The tau proteins are the product of alternative splicing from a single gene that in humans is designated MAPT. When tau proteins are defective, and no longer stabilize microtubules properly, they can result in several neurodegenerative disorders such as Alzheimers disease, Picks disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy.

Note

For Research Use Only , Not for Diagnostic Use.