

Product Name: Recombinant Human Tau-D (C-6His)
Catalog #: PEH1605

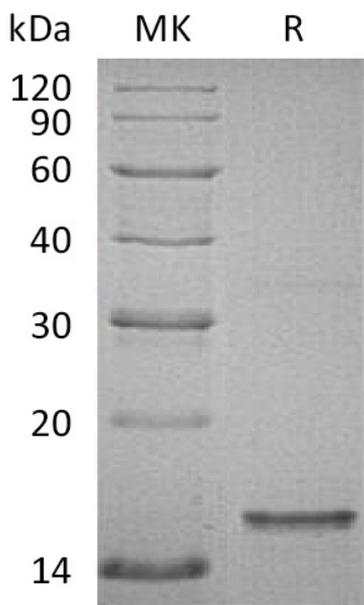


Summary

Name	Tau-D/Microtubule-associated protein tau-D
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-D is produced by our E.coli expression system and the target gene encoding Gln249-Gln381 is expressed with a 6His tag at the C-terminus.
Accession #	P10636-6
Host	E.coli
Species	Human
Predicted Molecular Mass	15.37 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 1mM PMSF, 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; Neurofibrillary Tangle Protein; Paired Helical Filament-Tau; PHF-Tau; MAPT; MAPTL; MTBT1; TAU

Background

Microtubule-Associated Protein TAU is abundantly expressed in neurons of the central nervous system and less commonly expressed elsewhere, but is also expressed at very low levels in CNS astrocytes and oligodendrocytes. Tau interacts with tubulin to stabilize microtubules and promotes tubulin assembly into microtubules. The C-terminus of TAU binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau acts as a linker protein. When tau is defective, and no longer stabilize microtubules properly, it can result in dementias such as Alzheimers disease and other tauopathies.

Note

For Research Use Only , Not for Diagnostic Use.