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|  | tau-F protein/Microtubule-associated protein tau | E 2 1 H 1 9 |
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| Altername: | Microtubule-associated protein tau; MAPTL; Neurofibrillary tangle protein; MTBT1; Paired helical filament-tau; TAU and MAPT; |
| Storage/Stability: | <p>Lyophilized protein should be stored at $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.</p> |
| Background: | <p>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 Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy.</p> |
| Species: | Human |
| | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |

For Research Use Only

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| Reconstitution: | It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Endotoxin: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test. |
| Purity: | Greater than 95% as determined by reducing SDS-PAGE. |
| Description: | Recombinant Human Microtubule-Associated Protein Tau-F is produced by our E.coli expression system and the target gene encoding Met1-Leu441 is expressed. |
| Product State: | Lyophilized |
| Ship Description: | The product is shipped at ambient temperature. |
| Formulation: | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4. |
| Expression system: | E.coli |