

| TAU-441 recombinant protein | |
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| Human Isoform Tau-F (Uniprot accession number P10636-8) | |
| Product Description | <p>Recombinant human Tau-441 protein, is an isoform of Tau protein, variant 2N4R, having 4 microtubule binding repeats (R) and 2 amino terminal inserts (N).</p> <p>TAU-441 is expressed in <i>E. coli</i> without purification tag and purified using proprietary method including ion exchange and size exclusion chromatography.</p> |
| Protein sequence | <p>MAEPRQEFEVMEHDHAGTYGLGDRKDQGGYTMHQDQEGDTDAGLKESPLQTPTEDGS EEPGSETSDAKSTPTAEDVTAPLVDEGAPGKQAAAQPHTPEIGTTAEEAGIGDTPSLE DEAAGHVTQARMVSKSKDGTGSDDKAKAGADGKTKIATPRGAAPPGQKQANATRIP AKTPPAPKTPPSSGEPKSGDRSGYSSPGSPGTPGSRSRTPSLPTPTREPKKVAVVR TPPKSPSSAKSRLQTAPVMPDLKNVSKIGSTENLKHQPGGGKVIINKKLDLSNVQS KCGSKDNIKHVPGGGSVQIVYKPVDL SKVTSKCGSLGNIHHKPGGGQVEVKSEKLDK DRVQSKIGSLDNITHVPGGGNKKIETHKLTFRENAKAKTDHGAEIVYKSPVVSGDTPSRH LSNVSSSTGSIDMVDPQLATLADEV SASLAKQGL</p> |
| Predicted Molecular Mass | <p>45.85 kDa Tau-F run with apparent molecular mass of 67 kDa which differ from theoretical calculation as it has been previously described (Goedert et al., EMBO J., 1990).</p> |
| Expression system | Escherichia Coli |
| Purity | Greater than 95% as determined by SDS-PAGE analysis |
| Labelling | <p>TAUF-LIGHT : Unlabelled TAUF-13C15N: Labelled (ARG-¹³C₆, ¹⁵N₄; LYS-¹³C₆, ¹⁵N₄) >99%</p> |
| Tag information | No Tag |
| Protein Content | Quantitation is carried out by UV spectroscopy at 205 nm and BCA protein assay |
| Formulation | <p>Lyophilized powder. Storage buffer : 50 mM Tris pH8, 100 mM NaCl, 1 mM DTT, 1 mM EDTA. Reconstitute by adding ultrapure H2O.</p> |
| Shipping and storage | <p>The product is supplied as a lyophilized powder and shipped at room temperature. Store at -80°C upon receipt (-20°C acceptable) After reconstitution, protein can be kept at 4°C for a 3-4 weeks. Avoid repeated freeze/thaw cycles</p> |
| Usage | The product is for research use only. Not for diagnostic or therapeutic use. |

