

DATA SHEET

Product Name:	FITC Tau-441
Catalog #:	T-1113
Source:	Recombinant. A DNA sequence encoding the human tau-441 (2N4R isoform) sequence was expressed in E. coli and had FITC molecules attached for fluorescence. No his-tag.
Molecular Mass:	Approximately 46kD to 50kDa
Protein Purity:	>90% by SDS-PAGE
Counter Ion:	50mM MES, pH 6.8, 100 mM NaCl and 0.5 mM EGTA
Supplied As:	Lyophilized powder
Resuspension:	Resuspend in water at conc. of .1-1 mg/ml. Recommended to briefly centrifuge to ensure full resuspension of product.
Storage:	-20°C
Description:	While some fluorescent tau on the market uses intrinsic fluorescence and adds in tryptophan residues by mutations, rPeptide's human tau-441 has been covalently labeled with Fluorescein Isothiocyanate and assayed for fluorescence. The FITC label has a maximum absorbance at 495 and a maximum emission at 525nm. This FITC labeled form of tau-441 is ideally suited to localization experiments, aggregation monitoring and binding kinetics without the need for mutations or further labeling.
References:	<ol style="list-style-type: none"> 1. von Bergen, M., Li, L., & Mandelkow, E., (2015) Methods Mol Biol., 299: 175-84 2. Radli M., et al., (2017) bioRxiv 211904

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