

Datasheet

Product Name:	Fluorescein Tau 441 (FITC)
Catalog #:	T-1113
Source:	Recombinant. A DNA sequence encoding the human Tau 441 (2N,4R) sequence was expressed in E. coli and had FITC molecules attached for fluorescence.
Molecular Weight:	Approximately 46kD to 50kD
Native Sequence:	MAEPRQEFEEV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKESPLQT PTEDGSEEPG SETSDAKSTP TAEDVTAPLV DEGAPGKQAA AQPHTIPEG TTAEEAGIGD TPSLEDEAAG HVTQARMVSK SKDGTGSDDK KAKGADGKTK IATPRGAAPP GQKGQANATR IPAKTPPAPK TPPSSGEPK SGDRSGYSSP GSPGTPGSRS RTPSLTPPT REPKKVAVVR TPPKSPSSAK SRLQTAPVPM PDLKNVSKI GSTENLKHQP GGGKVQIINK KLDLSNVQSK CGSKDNIKHV PGGGSVQIVY KPVDLSKVTS KCGSLGNIHH KPGGGQVEVK SEKLDKDRV QSKIGSLDNI THVPGGGNKK IETHKLTFRE NAKAKTDHGA EIVYKSPVVS GDTSPRHLSN VSSTGSIDMV DSPQLATLAD EVSASLAKQG L
Protein Purity:	>90% by SDS-PAGE
Counter Ion:	25mM MES, 100mM NaCl, .1mM EGTA pH 6.8
Supplied As:	Lyophilized powder
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:	1) von Bergen M, Li L, Mandelkow E. Methods Mol Biol. 2005;299:175-84. 2) Radli M, Verdonschot R E, Ferrari L, Rüdiger S. bioRxiv 211904; doi: https://doi.org/10.1101/211904

Not for human use. for research purposes only

www.rpeptide.com

1050 Barber Creek Bldg 300 Suite 103 • Watkinsville • Georgia • 30677 • USA
Tel 678-753-0747 • Fax 678-753-0746 • E-mail sales@rpeptide.com