

Product information

14-3-3 tau, 1-245 aa

Human, Recombinant, *E.coli*

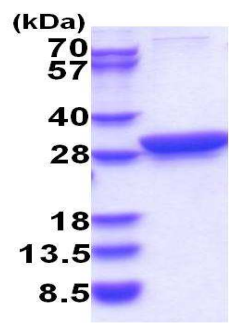
Cat. No. IBYWQ0702

Full name: tyrosine 3-monooxygenase/ tryptophan 5-monooxygenase activation protein, theta polypeptide

Synonyms: YWHAQ, 1C5, HS1

NCBI Accession No.: NP_006817

Description: The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, β , γ , ϵ , σ , ζ , τ and η that have been identified in mammals. The 14-3-3 tau, a subtype of the 14-3-3 family of proteins, was found in T Cells, brain and testes. This 14-3-3 tau is upregulated in patients with amyotrophic lateral sclerosis. Recombinant human YWHAQ was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid in Phosphate buffered saline (pH7.4), 10% glycerol</p> <p>Molecular Weight: 27 kDa (245 aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MEKTELIQKA KLAEQAERYD DMATCMKAVT EQGAELSNEE RNLLSVAYKN VVGRRSAWR VISSIEQKTD TSDKKLQLIK DYREKVESEL RSICTTVLEL LDKYLIANAT NPESKVFYK MKGDYFRYLA EVACGDDRKQ TIDNSQGAYQ EAFDISKKEM QPTHPIRLGL ALNFSVFYYE ILNNPELACT LAKTAFDEAI AELDTLNEDS YKDSLIMQL LRDNLTLWTS DSAGEECDAA EGAEN</p>	

General references:

Liu YC , *et al.* (1996) *J Biol Chem*; 271: 14591-5

Xiao B , *et al.* (1995) *Nature*, 376; 188-191

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.