

Product: 14-3-3 tau (1-245aa), Human
Catalog #: 01-2057T
Amount: 10 µg

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.

Full Name: Tyrosine 3-monooxygenase/ tryptophan 5-monooxygenase activation protein, tau polypeptide

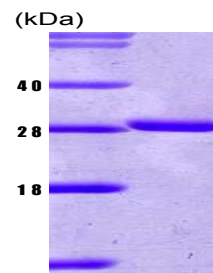
Synonyms: YWHAQ, 1C5, HS1

AA Sequence:

MEKTELIQKA KLAEQAERYD DMATCMKAVT EQGAELSNEE RNLLSVAYKN VVGRRSAWR
 VISSIEQKTD TSDKKLQLIK DYREKVESEL RSICTTVLEL LDKYLIANAT NPESKVFYLK
 MKGDYFRYLA EVACGDDRKQ TIDNSQGAYQ EAFDISKKEM QPTHPIRLGL ALNFSVFYEE
 ILNNPELACT LAKTAFDEAI AELDTLNEDS YKDSTLIMQL LRDNLTLWTS DSAGEECDAA
 EGAEN

SOURCE: Recombinant, *E.coli* expression system
MOLECULAR WEIGHT: 27 kDa (245 aa)
PURITY: > 95% by SDS PAGE
FORM: Purified, in 20mM Tris pH 7.5
ENDOTOXIN:
CONCENTRATION: 1 mg/ml (Bradford Assay)
STORAGE: -20°C (aliquot), Avoid repeated freeze and thaw cycles

REFERENCE:
 Liu YC , et al. (1996) J Biol Chem; 271: 14591-14595
 Xiao B , et al. (1995) Nature, 376; 188-191



15% SDS-PAGE (3ug)