
Product Data Sheet

Product Name: YWHAQ Human
 Cat. No.: GP22661
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	14-3-3 theta; 14-3-3 tau; 14-3-3 T-cell; HS1; YWHAQ; 1C5; 14-3-3 Tau; Tyr-3/Trp- 5 Monooxygenase Activation Protein Theta.		
Amino Acid Sequence	MEKTELIQKA KLAEQAERYD DMATCMKAVT EQGAELSNEE RNLLSVAYKN VVGRRSAWRVISSIEQKTD TSDKKLQLIK DYREKVESEL RSICTTVLEL LDKYLIANAT NPESKVFYFLKMKGDYFRYLA EVACGDDRKQ TIDNSQGAYQ EAFDISKKEM QPTHPIRLGL ALNFSVFYYEILNNPELACT LAKTAFDEAI AELDTLNEDS YKDSTLIMQL LRDNLTLWTS DSAGEECDAA EGAEN.		
Formulation	YWHAQ solution containing 20mM Tris 7.5.		

Introduction

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, η , θ , ζ , ι , κ , λ , μ and ν 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.

Stability

YWHAQ Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

Background

YWHAQ Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 245 amino acids (1-245) and having a molecular mass of 27 kDa. YWHAQ is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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