



Product Datasheet

Product Name	Tyr-3/Trp- 5 Monooxygenase Activation Protein Theta Human Recombinant
Cata No	CB500860
Source	<i>Escherichia Coli.</i>
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.

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.

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.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

YWHAQ solution containing 20mM Tris 7.5.

YWHAQ Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C.

Please prevent freeze thaw cycles.

Sequence

MEKTELIQKA KLAEQAERYD DMATCMKAVT
EQGAELSNEE RNLLSVAYKN
VVGRRSAWRVISSIEQKTD TSDKKLQLIK
DYREKVESEL RSICTTVLEL LDKYLIANAT
NPESKVFYLMKMGDYFRYLA EVACGDDRKQ
TIDNSQGAYQ EAFDISKKEM QPTHPIRLGL
ALNFSVFYYEILNNPELACT LAKTAFDEAI
AELDTLNEDS YKDSTLIMQL LRDNLTLWTS
DSAGEECDAA EGAEN