

Recombinant Human YWHAH, His-tagged

Cat. No. YWHAH-26007TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human 14-3-3 eta fused to N-Terminal His Tag; 266aa, 30.3kDa.
Species	Human
Source	E.coli
ProteinLength	246 amino acids
Description	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and bovine orthologs. This gene contains a 7 bp repeat sequence in its 5' UTR, and changes in the number of this repeat have been associated with early-onset schizophrenia and psychotic bipolar disorder.
Conjugation	HIS
Molecular Weight	30.300kDa inclusive of tags
Tissue specificity	Expressed mainly in the brain and present in other tissues albeit at lower levels.
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	pH: 8.00Constituent:0.32% Tris HCl
Storage	Store at -20°C (dessicate conditions).
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGDREQLLQR ARLAEQAERY DMASAMKAV TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE KVKAYREKIE KELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLMKMGDY YRYLAEVASG EKKNSVVEAS EAAYKEAFEI SKEQMCPHTP IRLGLALNFS VFYYEIQNAP EQACLLAKQA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDE EAGEGN
Sequence Similarities	Belongs to the 14-3-3 family.
GENE INFORMATION	
Gene Name	YWHAH tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide [Homo sapiens]
Official Symbol	YWHAH
Synonyms	YWHAH; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide; YWHA1; 14-3-3 protein eta; 14 3 3 eta;
Gene ID	7533
mRNA Refseq	NM_003405
Protein Refseq	NP_003396
MIM	113508

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Uniprot ID	Q04917
Chromosome Location	22q12.1-q13.1
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem;
Function	actin binding; enzyme binding; glucocorticoid receptor binding; insulin-like growth factor receptor binding; protein binding;

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