

Recombinant Human YWHAH, His-tagged

Cat. No. YWHAH-26005TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein corresponding to amino acids 1 - 246 of Human 14-3-3 eta; with an N-terminal his tag; predicted MWt 31.7 kDa inclusive of tag. Residue M35 of the fusion protein is equivalent to M1 of the native protein. The His(6) tag is located at the C-terminus.
Species	Human
Source	E.coli
Protein Length	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	31.700kDa inclusive of tags
Tissue specificity	Expressed mainly in the brain and present in other tissues albeit at lower levels.
Form	Liquid

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Purity	Purified via His tag
Storage buffer	pH: 7.50 Constituents: 0.6% HEPES, 0.02% DTT, 50% Glycerol, 0.012% Benzamidine, 0.003% PMSF
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSMGDREQ LLQRARLAEQAE RYDDMASAMKAVTELNEPLSNEDRNLLS VAYKNVVGARRSSWRVVISSIEQKTMA D GNEKKLEKVKAYR EKIEKELETVCNDVLSLLDKFLIKNCNDFQYESKVFYLMK KGDY YRYLAEVASGEKKNSVVEASEAAYKEAFEISKEQMQ PTHPIRLGLALNFSVFYYEIQ NAPEQACLLAKQAFDDAIA ELDTLNEDSYKDSTLIMQLLRDNLTLWTSDQQDEEAG EGN
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

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Protein Refseq	NP_003396
MIM	113508
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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