

## Recombinant Human YWHAH, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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 lo
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	246 amino acids
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	31.700kDa inclusive of tags
<b>Tissue specificity</b>	Expressed mainly in the brain and present in other tissues albeit at lower levels.
<b>Form</b>	Liquid

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	Purified via His tag
<b>Storage buffer</b>	pH: 7.50 Constituents: 0.6% HEPES, 0.02% DTT, 50% Glycerol, 0.012% Benzamidine, 0.003% PMSF
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSMGDREQ LLQRARLAEQAE RYDDMASAMKAVTELNEPLSNEDRNLLS VAYKNVVGARRSSWRVISSIEQKTMAD GNEKKLEKVKAYR EKIEKELETVCNDVLSLLDKFLIKNCNDFQYESKVFYLMK KGDY YRYLAEVASGEKKNSVVEASEAAYKEAFEISKEQMQ PTHPIRLGLALNFSVFYYEIQ NAPEQACLLAKQAFDDAIA ELDTLNEDSYKDSTLIMQLLRDNLTLWTSDQQDEEAG EGN
<b>Sequence Similarities</b>	Belongs to the 14-3-3 family.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">YWHAH tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">YWHAH</a>
<b>Synonyms</b>	YWHAH; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide; YWHA1; 14-3-3 protein eta; 14 3 3 eta;
<b>Gene ID</b>	<a href="#">7533</a>
<b>mRNA Refseq</b>	<a href="#">NM_003405</a>

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<b>Protein Refseq</b>	NP_003396
<b>MIM</b>	113508
<b>Uniprot ID</b>	Q04917
<b>Chromosome Location</b>	22q12.1-q13.1
<b>Pathway</b>	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;
<b>Function</b>	actin binding; enzyme binding; glucocorticoid receptor binding; insulin-like growth factor receptor binding; protein binding;

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