

Recombinant Human YWHAH, His-tagged

YWHAH-26007TH Human
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.
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.
Protein length	246 amino acids
Conjugation	HIS
Molecular Weight	30.300kDa inclusive of tags
Source	E. coli
Tissue specificity	Expressed mainly in the brain and present in other tissues albeit at lower levels.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00 Constituent: 0.32% Tris HCl
Storage	Store at -20°C (desiccated conditions).
Sequences of amino acids	MGSSHHHHHHH SGLVPRGSH MGDREQLLQR ARLAEQAERY DMASAMKAV TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE KVKAYREKIE KELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLMKMGDY RYLAEVASG EKKNVVEAS EAAYKEAFEI SKEQMQPPTH IRLGLALNFS VFYIEIQNAP EQACLLAKQA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDDQDE 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

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mRNA Refseq [NM_003405](#)

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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