

## Recombinant Human YWHAE

**Cat. No.** YWHAE-26004TH **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length 14-3-3 epsilon protein (Human), MW 29kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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 100% identical to the mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene.</p>
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20mM Tris, pH 7.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	<p>MDDREDLVYQ AKLAEQAERY DEMVESMKKV AGMDVELTVE ERNLLSVAYK            NVIGARRASWRIISSIEQKE ENKGGEDKLV MIREYRQMVE TELKLIACDI</p>

 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

LDVLDKHLIP AANTGESKVFYFKMKGDYHR YLAEFATGND RKEAAENSLV  
 AYKAASDIAM TELPPTHPIR LGLALNFSVFYFEILNSPDR ACRLAKAAFD  
 DAIAELDTLS EESYKDSTLI MQLLRDNLTL WTSDMQGDGEEQNKEALQDV EDENQ

**Sequence Similarities** Belongs to the 14-3-3 family.

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** YWHAE tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide [ Homo sapiens ]

**Official Symbol** YWHAE

**Synonyms** YWHAE; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide; 14-3-3 protein epsilon; 14 3 3 epsilon; FLJ45465;

**Gene ID** 7531

**mRNA Refseq** NM\_006761

**Protein Refseq** NP\_006752

**MIM** 605066

**Uniprot ID** P62258

**Chromosome Location** 17p13.3

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**Pathway**

Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem;

**Function**

enzyme binding; histone deacetylase binding; phosphoprotein binding; phosphoserine binding; protein binding;

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