

Recombinant Human YWHAE

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

SPECIFICATION

Product Overview	Recombinant full length 14-3-3 epsilon protein (Human), MW 29kDa.
Species	Human
Source	E.coli
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 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.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20mM Tris, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MDDREDLVYQ AKLAEQAERY DEMVESMKKV AGMDVELTVE ERNLLSVAYK NVIGARRASWRIISSIEQKE ENKGGEDKLK MIREYRQMVE TELKLICCDI

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LDVLDKHLIP AANTGESKVFYYKMKGDYHR YLAEFATGND RKEAAENSLV
 AYKAASDIAM TELPPTHPIR LGLALNFSVFYYEILNSPDR ACRLAKAAFD
 DAIAELDTLS EESYKDSTLI MQLLRDNLT 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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