

Recombinant Human YWHAB

Cat. No. YWHAB-26000TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human 14-3-3 beta; 246 amino acids, 28kDa.
Species	Human
Source	E.coli
Description	This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 50mM Sodium chloride, 20mM Tris, 1mM EDTA, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHELSEN EERNLLSVAY KNVVGARRSS WRVISSIEQK TERNEKKQQM GKEYREKIEA ELQDICNDVL

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ELLDKYLIPN ATQPESKVFY LKMKG DYFRY LSEVASGDNK QTTVSNSQQA
YQEAFEISKK EMQPTHPIRL GLALNFSVFY YEILNSPEKA CSLAKTAFDE
AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDEGD AGEGEN

**Sequence
Similarities**

Belongs to the 14-3-3 family.

Full Length

Full L.

GENE INFORMATION

Gene Name

YWHAB tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide [Homo sapiens]

Official Symbol

YWHAB

Synonyms

YWHAB; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide; tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein, alpha polypeptide , YWHAA; 14-3-3 protein beta/alpha; 14 3 3 alpha; 14 3 3 beta;

Gene ID

7529

mRNA Refseq

NM_003404

Protein Refseq

NP_003395

MIM

601289

Uniprot ID

P31946

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Chromosome Location	20q13.1
Pathway	ARMS-mediated activation, organism-specific biosystem; Activation of BAD and translocation to mitochondria, organism-specific biosystem; Activation of BH3-only proteins, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem;
Function	enzyme binding; histone deacetylase binding; monooxygenase activity; phosphoprotein binding; phosphoserine binding;

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