Recombinant Human YWHAB

Cat. No. YWHAB-31136TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full length human 14-3-3 alpha + beta with an N terminal enzyme tag.
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
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the 14-3-3 family.

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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
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;

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Function	enzyme binding; histone deacetylase binding; monooxygenase activity; phosphoprotein binding; phosphoserine binding;

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