

Recombinant Full Length Human YWHAZ Protein, C-Flag-tagged

Cat. No. YWHAZ-467HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human YWHAZ Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	27.6 kDa
AA Sequence	MDKNELVQKAKLAEQAERYDDMAACMKSVTEQGAELSNEERNLLSVAYKNVVGAR RSSWRVSSIEQKTE GAEKKQQMAREYREKIETELRDICNDVLSLLEKFLIPNASQA ESKVFYCLKMKGDYYRYLAEVAAGDDKKG IVDQSQQAYQEAFAEISKKEMQPTHPIRL GLALNFSVFYYEILNSPEKACSLAKTAFDEAIAELDTLSEES YKDSTLIMQLLRDNLTLWTSDTQGDEAEAGEGGENTRTRPLEQKLISEEDLAANDIL

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis, Pathogenic Escherichia coli infection
Full Length	Full L.

GENE INFORMATION

Gene Name	YWHAZ tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta [Homo sapiens (human)]
Official Symbol	YWHAZ
Synonyms	HEL4; YWHAD; KCIP-1; HEL-S-3; POPCHAS; HEL-S-93; 14-3-3-zeta
Gene ID	7534
mRNA Refseq	NM_001135699.2

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Protein Refseq	NP_001129171.1
MIM	601288
UniProt ID	P63104

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