

# Recombinant Human YWHAZ Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** YWHAZ-843H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	YWHAZ MS Standard C13 and N15-labeled recombinant protein (NP_003397) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	27.6 kDa
<b>AA Sequence</b>	MDKNELVQKAKLAEQAERYDDMAACMKSIVTEQGAELSNEERNLLSVAYKNVVGAR RSSWRVSSIEQKTEGAEEKQQMAREYREKIETELRDICNDVLSLLEKFLIPNASQAE SKVFYLMKMGDYRYLAEVAAGDDKKGIVDQSQQAYQEAFAEISKEMQPTHPIRLGL ALNFSVFYYEILNSPEKACSLAKTAFDEAIAELDTLSEESYKDSTLIMQLLRDNLTLWT SDTQGDEAEAGEGGENTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	YWHAZ tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta [ Homo sapiens (human) ]
<b>Official Symbol</b>	YWHAZ
<b>Synonyms</b>	YWHAZ; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide; tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein, delta polypeptide, YWHAD; 14-3-3 protein zeta/delta; 14 3 3 delta; 14 3 3 zeta; KCIP 1; 14-3-3 zeta; 14-3-3 delta; phospholipase A2; protein kinase C inhibitor protein 1; protein kinase C inhibitor protein-1; 14-3-3 protein/cytosolic phospholipase A2; tyrosine 3/tryptophan 5 -monooxygenase activation protein, zeta polypeptide; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, delta polypeptide; YWHAD; KCIP-1; 14-3-3-zeta; MGC111427; MGC126532; MGC138156;
<b>Gene ID</b>	7534
<b>mRNA Refseq</b>	NM_003406
<b>Protein Refseq</b>	NP_003397

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SDS-PAGE



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