Recombinant Human YWHAG, His-tagged

Cat. No. YWHAG-26009TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein corresponding to amino acids 1-247 of Human 14-3-3 gamma, with an N-terminal His tag; predicted MWt 31.8 kDa inclusive of tag.Residue M35 of the fusion protein is equivalent to M1 of the native protein. The His(6) tag is lo
Species	Human
Source	E.coli
ProteinLength	247 amino acids
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 rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways.
Conjugation	HIS
Molecular Weight	31.800kDa inclusive of tags
Tissue specificity	Highly expressed in brain, skeletal muscle, and heart.

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Form	Liquid
Purity	Purified via His tag
Storage buffer	pH: 7.50Constituents:0.6% HEPES, 0.02% DTT, 50% Glycerol, 0.012% Benzamidine, 0.003% PMSF
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSMVDREQ LVQKARLAEQAE RYDDMAAAMKNVTELNEPLSNEERNLLS VAYKNVVGARRSSWRVISSIEQKTSADG NEKKIEMVRAYR EKIEKELEAVCQDVLSLLDNYLIKNCSETQYESKVFYLKM KGDYY RYLAEVATGEKRATVVESSEKAYSEAHEISKEHMQ PTHPIRLGLALNYSVFYYEIQN APEQACHLAKTAFDDAIA ELDTLNEDSYKDSTLIMQLLRDNLTLWTSDQQDDDGGE GN N
Sequence Similarities	Belongs to the 14-3-3 family.

GENE INFORMATION

Gene Name	YWHAG tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Homo sapiens]
Official Symbol	YWHAG
Synonyms	YWHAG; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide; 14-3-3 protein gamma; 14 3 3 gamma;
Gene ID	7532

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mRNA Refseq	NM_012479
Protein Refseq	NP_036611
MIM	605356
Uniprot ID	P61981
Chromosome Location	7q11.23
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem;
Function	insulin-like growth factor receptor binding; protein binding; protein domain specific binding; protein kinase C binding; protein kinase C inhibitor activity;

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