

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

Cat. No. YWHAG-1387HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human YWHAG 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 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.1 kDa
AA Sequence	MVDREQLVQKARLAEQAERYDDMAAAMKNVTELNEPLSNEERNLLSVAYKNVVGARRSSWRVVISIEQKT SADGNEKKIEMVRAYREKIEKELEAVCQDVLSLLDNYLIKNCSETQYESKVFYLMKMGDYRYLAEVATG EKRATVVESSEKAYSEAHEISKEHMQPTHPIRLGLALNYSVFYIEIQNAPEQACHLAKTAFDDAIAELDT

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LNEDSYKDSTLIMQLLRDNLTLWTSDQQDDGGEGNN

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 Families	Druggable Genome
Protein Pathways	Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis
Full Length	Full L.

GENE INFORMATION

Gene Name	YWHAG tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma [Homo sapiens (human)]
Official Symbol	YWHAG
Synonyms	DEE56; EIEE56; PPP1R170; 14-3-3GAMMA
Gene ID	7532

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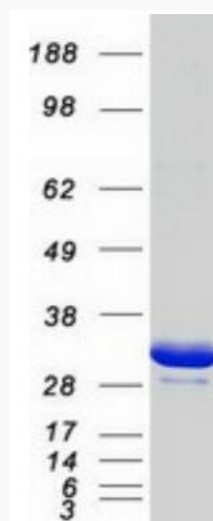
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mRNA Refseq [NM_012479.4](#)

Protein Refseq [NP_036611.2](#)

MIM [605356](#)

UniProt ID [P61981](#)



Coomassie blue staining of purified YWHAG protein.

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