

Recombinant Human YWHAG Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. YWHAG-071H Lot. No. (See product label)

SPECIFICATION

Product Overview

YWHAG MS Standard C13 and N15-labeled recombinant protein (NP_036611) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

28.3 kDa

AA Sequence

MVDREQLVQKARLAEQAERYDDMAAAMKNVTELNEPLSNEERNLLSVAYKNVVGARRSSWRVISSIEQKTSADGNEKKIEMVRAYREKIEKELEAVCQDVLSLLDNYLIKNCSETQYESKVFYLMKMGDYRYLAEVATGEKRATVVESSEKAYSEAHEISKEHMQPTHPIRLGLALNYSVFYIEIQNAPEQACHLAKTAFDDAIAELDTLNEDSYKDSTLIMQLLRDNLTLWTSDQQDDGGEGNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|-----------------------|--|
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Stability | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| Storage | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| Concentration | 50 µg/mL as determined by BCA |
| Storage Buffer | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | YWHAG tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma [Homo sapiens (human)] |
| Official Symbol | YWHAG |
| Synonyms | YWHAG; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma; 14-3-3GAMMA; EIEE56; PPP1R170; 14-3-3 protein gamma; KCIP-1; protein kinase C inhibitor protein 1; protein phosphatase 1, regulatory subunit 170; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide |
| Gene ID | 7532 |
| mRNA Refseq | NM_012479 |
| Protein Refseq | NP_036611 |
| MIM | 605356 |

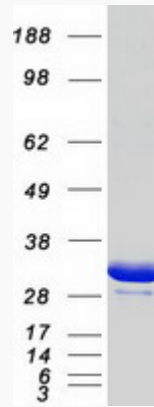
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UniProt ID P61981

SDS-PAGE



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