

Product datasheet for PH301925

OriGene Technologies, Inc.

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14 3 3 gamma (YWHAG) (NM 012479) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: YWHAG MS Standard C13 and N15-labeled recombinant protein (NP_036611)

Species: Human **HEK293 Expression Host:**

Expression cDNA Clone

RC201925

or AA Sequence: Predicted MW:

28.3 kDa

>RC201925 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MVDREQLVQKARLAEQAERYDDMAAAMKNVTELNEPLSNEERNLLSVAYKNVVGARRSSWRVISSIEQKT SADGNEKKIEMVRAYREKIEKELEAVCQDVLSLLDNYLIKNCSETQYESKVFYLKMKGDYYRYLAEVATG EKRATVVESSEKAYSEAHEISKEHMQPTHPIRLGLALNYSVFYYEIQNAPEQACHLAKTAFDDAIAELDT

LNEDSYKDSTLIMQLLRDNLTLWTSDQQDDDGGEGNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 036611

RefSeq Size: 3779 RefSeq ORF: 741

Synonyms: 14-3-3GAMMA; DEE56; EIEE56; PPP1R170

7532 Locus ID: UniProt ID: P61981





Cytogenetics: 7q11.23

Summary: 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

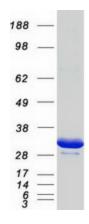
expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins

involved in various signal transduction pathways. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis **Protein Pathways:**

Product images:



Coomassie blue staining of purified YWHAG protein (Cat# [TP301925]). The protein was produced from HEK293T cells transfected with YWHAG cDNA clone (Cat# [RC201925]) using MegaTran 2.0 (Cat# [TT210002]).