

Product datasheet for PH301925

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
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201925
Predicted MW:	28.3 kDa
Protein Sequence:	>RC201925 protein sequence Red=Cloning site Green=Tags(s) MVDREQLVQKARLAEQAERYDDMAAMKNVTELNEPLSNEERNLLSVAYKNVVGARRSSWRVISSIEQKT SADGNEKKIEMVRAYREKIEKELEAVCQDVL SLLDNYL IKNCSETQYESKVFYLMKMGDYRYLAEVATG EK R AT V VESSEKAYSEAHEISKEHMQPTHP IRLGLALNYSVFYYEIQNAPEQACHLAKTAFDDAIAELDT LNEDSYKDSTLIMQLLRDNLTLWTSDQQDDDGEGNN TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
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
Locus ID:	7532
UniProt ID:	P61981



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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

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

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]).