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Product datasheet for PH327007

14-3-3 zeta (YWHAZ) (NM_001135701) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	YWHAZ MS Standard C13 and N15-labeled recombinant protein (NP_001129173)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227007
Predicted MW:	27.6 kDa
Protein Sequence:	>RC227007 representing NM_001135701 Red=Cloning site Green=Tags(s) MDKNELVQKAKLAEQAERYDDMAACMKSVTEQGAELSNEERNLLSVAYKNVVGARRSSWRVVSSIEQKTE GAEKKQQMAREYREKIETELRDICNDVLSLLEKFLIPNASQAESKVFYLKMKGDYYRYLAEVAAGDDKKG IVDQSQQAYQEAFEISKKEMQPTHPIRLGLALNFSVFYYEILNSPEKACSLAKTAFDEAIAELDTLSEES YKDSTLIMQLLRDNLTLWTSDTQGDEAEAGEGGEN 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
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_001129173
RefSeq ORF:	735
Synonyms:	14-3-3-zeta; HEL-S-3; HEL-S-93; HEL4; KCIP-1; POPCHAS; YWHAD
Locus ID:	7534
UniProt ID:	P63104, D0PNI1
Cytogenetics:	8q22.3

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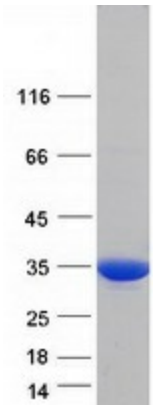
Summary: This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene. [provided by RefSeq, Oct 2008]

Protein Pathways: Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis, Pathogenic Escherichia coli infection

Product images:



Coomassie blue staining of purified YWHAZ protein (Cat# [TP327007]). The protein was produced from HEK293T cells transfected with YWHAZ cDNA clone (Cat# [RC227007]) using MegaTran 2.0 (Cat# [TT210002]).