

Product datasheet for PH300402

OriGene Technologies, Inc.

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14-3-3 beta (YWHAB) (NM_139323) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: YWHAB MS Standard C13 and N15-labeled recombinant protein (NP_647539)

Species: Human
Expression Host: HEK293

Expression cDNA Clone

RC200402

or AA Sequence: Predicted MW:

28.1 kDa

Protein Sequence: >RC200402 protein sequence

Red=Cloning site Green=Tags(s)

MTMDKSELVQKAKLAEQAERYDDMAAAMKAVTEQGHELSNEERNLLSVAYKNVVGARRSSWRVISSIEQK TERNEKKQQMGKEYREKIEAELQDICNDVLELLDKYLIPNATQPESKVFYLKMKGDYFRYLSEVASGDNK QTTVSNSQQAYQEAFEISKKEMQPTHPIRLGLALNFSVFYYEILNSPEKACSLAKTAFDEAIAELDTLNE

ESYKDSTLIMQLLRDNLTLWTSENQGDEGDAGEGEN

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 647539

RefSeq Size: 3136 RefSeq ORF: 738

Synonyms: GW128; HEL-S-1; HS1; KCIP-1; YWHAA

Locus ID: 7529

UniProt ID: P31946, V9HWD6





Cytogenetics: 20q13.12

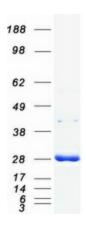
Summary: This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which

mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene. [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 YWHAB protein (Cat# [TP300402]). The protein was produced from HEK293T cells transfected with YWHAB cDNA clone (Cat# [RC200402]) using MegaTran 2.0 (Cat# [TT210002]).