

Product datasheet for TP300402

OriGene Technologies, Inc.

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14-3-3 beta (YWHAB) (NM_139323) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human tyrosine 3-monooxygenase/tryptophan 5-monooxygenase

activation protein, beta polypeptide (YWHAB), transcript variant 2, 20 µg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC200402 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MTMDKSELVQKAKLAEQAERYDDMAAAMKAVTEQGHELSNEERNLLSVAYKNVVGARRSSWRVISSIEQK TERNEKKQQMGKEYREKIEAELQDICNDVLELLDKYLIPNATQPESKVFYLKMKGDYFRYLSEVASGDNK QTTVSNSQQAYQEAFEISKKEMQPTHPIRLGLALNFSVFYYEILNSPEKACSLAKTAFDEAIAELDTLNE

ESYKDSTLIMQLLRDNLTLWTSENQGDEGDAGEGEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 27.9 kDa

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

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 647539

Locus ID: 7529





UniProt ID: P31946

RefSeq Size: 3136

Cytogenetics: 20q13.12

RefSeq ORF: 738

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

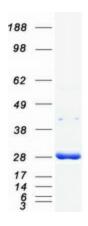
Summary: This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which

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]).