

Product datasheet for PH308646

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

14-3-3 theta (YWHAQ) (NM_006826) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: YWHAQ MS Standard C13 and N15-labeled recombinant protein (NP_006817)

Species: Human
Expression Host: HEK293

Expression cDNA Clone or AA Sequence:

RC208646

Predicted MW:

27.8 kDa

Protein Sequence: >RC20

>RC208646 protein sequence
Red=Cloning site Green=Tags(s)

MEKTELIQKAKLAEQAERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVVGGRRSAWRVISSIEQKTD TSDKKLQLIKDYREKVESELRSICTTVLELLDKYLIANATNPESKVFYLKMKGDYFRYLAEVACGDDRKQ TIDNSQGAYQEAFDISKKEMQPTHPIRLGLALNFSVFYYEILNNPELACTLAKTAFDEAIAELDTLNEDS

YKDSTLIMQLLRDNLTLWTSDSAGEECDAAEGAEN

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 006817

RefSeq Size: 2272 RefSeq ORF: 735

Synonyms: 1C5; 14-3-3; HS1

Locus ID: 10971 UniProt ID: <u>P27348</u>





Cytogenetics: 2p25.1

Summary: This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction

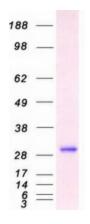
by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

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

infection

Product images:



Coomassie blue staining of purified YWHAQ protein (Cat# [TP308646]). The protein was produced from HEK293T cells transfected with YWHAQ cDNA clone (Cat# [RC208646]) using MegaTran 2.0 (Cat# [TT210002]).