

Product datasheet for PH308646

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:	>RC208646 protein sequence Red=Cloning site Green=Tags(s) MEKTELIQKAKLAEQAERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVVGRRSAWRVISSIEQKTD TSDKKLQLIKDYREKVESELRSICTTVLELLDKYLIANATNPESKVFYLMKMGDYFRYLAEVACGDDRKQ TIDNSQGAYQEAFDISKKEMQPTHPIRLGLALNFSVFYIEILNNPELACTLAKTAFDEAIAELDTLNEDS YKDSTLIMQLLRDNLTLWTSDSAGEECDAAEGAEN 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_006817
RefSeq Size:	2272
RefSeq ORF:	735
Synonyms:	1C5; 14-3-3; HS1
Locus ID:	10971
UniProt ID:	P27348



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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]).