

Product datasheet for PH304045

14-3-3 sigma (SFN) (NM_006142) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SFN MS Standard C13 and N15-labeled recombinant protein (NP_006133)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204045
Predicted MW:	27.8 kDa
Protein Sequence:	<p>>RC204045 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MERASLIQKAKLAEQAEYEDMAAFMKGAVEKGEELSCEERNLLSVAYKNVVGQRAAWRVLSIEQKSN EEGSEEKGPEVREYREKVETELQGVCDTVLGLLDShLlKEAGDAESRVFYLKMKGDYYRYLAEVATGDDK KRIIDSARSAYQEAMDISKEMPPTNPIRLGLALNFSVFHYEIANSPEEAISLAKTTTFDEAMADLHTLSE DSYKDSTLIMQLLRDNLTLWTADNAGEEGGEAPQEPQS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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_006133
RefSeq Size:	1336
RefSeq ORF:	744
Synonyms:	YWHAS
Locus ID:	2810
UniProt ID:	P31947


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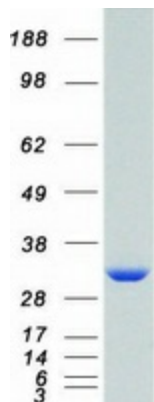
Cytogenetics: 1p36.11

Summary: This gene encodes a cell cycle checkpoint protein. The encoded protein binds to translation and initiation factors and functions as a regulator of mitotic translation. In response to DNA damage this protein plays a role in preventing DNA errors during mitosis. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Cell cycle, p53 signaling pathway

Product images:



Coomassie blue staining of purified SFN protein (Cat# [TP304045]). The protein was produced from HEK293T cells transfected with SFN cDNA clone (Cat# [RC204045]) using MegaTran 2.0 (Cat# [TT210002]).