

## Product datasheet for PH315243

### SAMD4A (NM\_015589) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SAMD4A MS Standard C13 and N15-labeled recombinant protein (NP_056404)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215243
Predicted MW:	79.1 kDa
Protein Sequence:	>RC215243 representing NM_015589 Red=Cloning site Green=Tags(s)
	MFRDQVGVLAGWFKGWNECEQTVALLSLLKRVSTQARFLQLCLEHSLADCAELHVLEREANSPGIINQW QQESKDKVISLLLTHLPLLKPGNLDAKVEYMKLLPKILAHSEIHNQHIIEESRQLLSYAL IHPATSLEDRS ALAMWLNHLEDRTSTSFQQNRGRSDSDYDYGQTHYYHQNSDDKLNQWQNSRDSGICINASNWQDKSMG CENGHVPLYSSSSVPTTINTIGTSTSTILSGQAHHSPKRSVSLTPPMNVNQPLGHGWMSHEDLRARGP QCLPSDHAPLSPQSSVASSGSGGSEHLEDQTTARNTFQEEGSGMKDVPAWLKSLRLHKYAALFSQMTYEE MMALTECQLEAQNVTKGARHKIVISIQKLERQNLKSLERDIEGGSLRIPLQELHQMILTPIKAYSSP STTPEARRRREPQAPRQPSLMGPESQSPDCKDGAATGATATPSAGASGGLQPHQLSSCDGELAVAPLPEG DLPQGQFTRVMGKVCTQLLVSRPDEENISSYLQLIDKCL IHEAFTETQKKRLLSWKQQVQKLFRRSFPKRTL LDISGYRQQRNRGFGQSNLPTAGSVGGMGRNPRQYQIPSRNVPSARLGLLGTSGFVSSNQRTTATP TIMKQGRQNLWFANPGGSNSMPSRTHSSVQRTRSLPVHTSPQNMLMFQQPEFQLPVTEPDINNRLESCL SMTEHALGDGVDRSTI
	SGPTRRRLEQKLI 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- 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:	<a href="#">NP_056404</a>

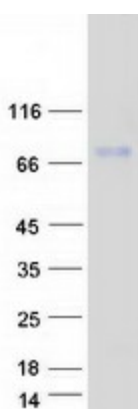


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RefSeq Size:	2356
RefSeq ORF:	2151
Synonyms:	SAMD4; SMAUG; SMAUG1; SMG; SMGA
Locus ID:	23034
UniProt ID:	<a href="#">Q9UPU9</a>
Cytogenetics:	14q22.2

**Summary:** Sterile alpha motifs (SAMs) in proteins such as SAMD4A are part of an RNA-binding domain that functions as a posttranscriptional regulator by binding to an RNA sequence motif known as the Smaug recognition element, which was named after the *Drosophila* Smaug protein (Baez and Boccaccio, 2005 [PubMed 16221671]).[supplied by OMIM, Mar 2008]

### Product images:



Coomassie blue staining of purified SAMD4A protein (Cat# [TP315243]). The protein was produced from HEK293T cells transfected with SAMD4A cDNA clone (Cat# [RC215243]) using MegaTran 2.0 (Cat# [TT210002]).