

Product datasheet for PH320811

MYSM1 (NM_001085487) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MYSM1 MS Standard C13 and N15-labeled recombinant protein (NP_001078956)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220811
Predicted MW:	94.9 kDa
Protein Sequence:	>RC220811 representing NM_001085487 Red=Cloning site Green=Tags(s)

MAAEEADVIEGDVVAAGAQPQSGENTASVLQKDHLYLDSSWRTEGLIPWTLDNITISEENRAVIEKMLL
EEEYYLSKKSQPEKVWLDQKEDDKKYMKSLQKTAKIMVHSPTKPASYSVKWTIEEKELFEQGLAKFGRRW
TKISKLIGSRTLQVKSARQYFKNKVKCGLDKETPNQKTGHNLQVKNEDKGTAWTPSCLRGRADPNLN
AVKIEKLSDDDEVDITDEVDELSSQTPQKNSSDLLLLDFPNSKMHETNQGEFITSQSQEALFSKSSRGCL
QNEKQDETLSSSEITLWTEKQSNQKKSIELNDQKFNELIKNCNKHDGRGIIVDARQLPSPEPCEIQKNL
NDNEMLFHSCQMVEESHSEEEELKPPEQEIEIDRNIIQEEKQAIPEFFEGRQAKTPERYLKIRNYILDQW
EICKPKYLNKTSVRPGLKNCQDVNCGRIHTYLELIGAINFGCEQAVYNRPQTVDKVRIRDRKDAVEAYQ
LAQRLQSMRTRRRRVRDPWGNWCDKDLQTEHL SAEELAKRREEEKGRPVKSLKVPRTKSSFPDFQ
LIPCNFFSSEKQEPFQVKVASEALLIMDLHAHVSMAEVIGLLGGRYSEVDKVVVEVCAAEPNSLSTGLQC
EMDPVSQTQASETLAVRGFSVIGWYHSHPAFDPNPSLRDIDTQAKYQSYFSRGGAKFIGMIVSPYNNRP
LPYSQITCLVISEEISPDSYRPLPYKFEVQQLLEEPQWGLVFEKTRWIIIEKYRLSHSSVPMKIFRRDSD
LTCLQKLECMRRTL SKVTNCFMAEEFLTEIENLFLSNYKSNQENGVTEENCKELLM

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_001078956



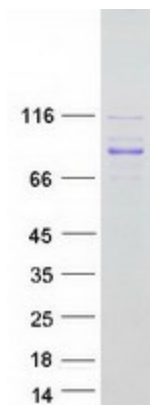
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RefSeq Size:	2589
RefSeq ORF:	2484
Synonyms:	2A-DUB; 2ADUB; BMFS4
Locus ID:	114803
UniProt ID:	Q5VVJ2
Cytogenetics:	1p32.1

Summary: Metalloprotease that specifically deubiquitinates monoubiquitinated histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Preferentially deubiquitinates monoubiquitinated H2A in hyperacetylated nucleosomes. Deubiquitination of histone H2A leads to facilitate the phosphorylation and dissociation of histone H1 from the nucleosome. Acts as a coactivator by participating in the initiation and elongation steps of androgen receptor (AR)-induced gene activation. Required for correct regulation of hematopoiesis and lymphocyte differentiation (PubMed:28115216, PubMed:26220525). [UniProtKB/Swiss-Prot Function]

Protein Families: Protease

Product images:



Coomassie blue staining of purified MYSM1 protein (Cat# [TP320811]). The protein was produced from HEK293T cells transfected with MYSM1 cDNA clone (Cat# [RC220811]) using MegaTran 2.0 (Cat# [TT210002]).