

Product datasheet for **TP320811M**

MYSM1 (NM_001085487) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Myb-like, SWIRM and MPN domains 1 (MYSM1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220811 representing NM_001085487 Red =Cloning site Green =Tags(s)

MAAEEADVIEGDVAAAGAQP GSGENTASVLQKDHYLDSSWRTENGLIPWTL DNTISEENRAVIEKM LLE
EEYYLSKKSQPEK VWLDQKEDDKKYM KSLQKTAKIMVHSPTKPASYSVKWTIEEKELFEQGLAKFGRRW
TKISKLGSR TVLQVKS YARQYFKNKVKCGLDKETPNQKTGHN LQVKNEDKGT KAWTPSCLRGRADPNLN
AVKIEKLSDD EVDITDEVDELSSQTPQKNSSDDL LDFPNSKMHETNQGEFITSDSQEALFSKSSRGCL
QNEKQDETLSSSEITLWTEKQSN GDKKSIELNDQKFNELIKNCNKHDGRGIIVDARQLPSPEPCEIQKNL
NDNEMLFHSCQMVEESHEEEELKPPEQEIEIDRNIIQEE EKQAIPEFFEGRQAKTPERYLKIRNYILDQW
EICKPKYLNKTSVRPGLKNC GDVNCIGRIHTYLELIGAINFGCEQAVYNRPQTVDKVRIRDRKDAVEAYQ
LAQRLQSMRTRRRRVRDPWGNWCDAKDLEGQTFEHL SAEELAKRREEEKGRPVKSLKVP RPTKSSFDPF
Q
LIPCNFFSEEKQEPFQVKVASEALLIMDLHAHV SMAEVI GLLGGRYSEVDKVEVCAAEP CNSLSTGLQC
EMDPVSQTQASETLAVRGFSVIGWYHSHPAFDPNP SLRDIDTQAKYQSYFSRGGAKFIGMIVSPYNNRNP
LPYSQITCLVISEEISPDGSYRLPYKFEVQQM LEEPQWGLVF EKTRWIEKYRLSHSSVPMDKIFRRDSD
LTCLQKLLECMRKTLSKVTNCFMAEEFLTEIENLFLSNYKSNQENG VTEENCTKELLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	94.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001078956](#)

Locus ID: 114803

UniProt ID: [Q5VVJ2](#)

RefSeq Size: 2589

Cytogenetics: 1p32.1

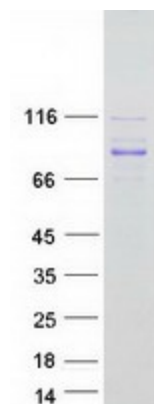
RefSeq ORF: 2484

Synonyms: 2A-DUB; 2ADUB; BMFS4

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).