

## Product datasheet for **TP320811**

### **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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220811 representing NM_001085487 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAAEEADV DIEGDVAAAGA QPGSGENTASVLQKDHYLDSSWRTE NGLIPWTL DNTISEENRAVIEKMLL  
EEEYLSKKSQPEK VWLDQKEDDKYMKSLQKTAKIMVHSPTKPASYSVKWTIEEKELFEQGLAKFGRRW  
TKISKLIGSRTVLQVKS YARQYFKNKVKCGLDKETPNQKTGHNLQVKNEDKGT KAWTPSCLRGRADPNLN  
AVKIEKLSDD EVDITDEVD ELSSQTPQKNSSD LLLDFPNSKMHETNQG EFITSDS QEALFSKSSRGCL  
QNEKQDETLSSEITLWTEKQSN GDKKSIELNDQKFNELIKNCNKHDGRGIIVDARQLPSPEPCEIQKNL  
NDNEMLFHSCQMVEESH EEEELKPPEQEIEIDRNIIQEE EKQAIPEFFEGRQAKTPERYLKIRNYILDQW  
EICKPKYLNKTSVRPGLKNC GDVNCIGRIHTYLELIGAINFGCEQAVYNRPQTVDKVRIRD RDKDAVEAYQ  
LAQLQSMRTRRRRRV RDPWGNWCD AKDLEGQTFEHL SAEELAKRREEEKGRPVKSLKVP RPTKSSFDPFQ  
LIPCNFFSEEKQEPFQVKVASE ALLIMDLHAHV SMAEVI GLLGGRYSEVDK VVEVCAAEP CNSLSTGLQC  
EMDPVSQTQAS ETLAVRGFSVIGWYHSHPA FDPNPSLRDIDTQAKYQSYFSRGGAKFIGMIVSPY NRRNP  
LPYSQITCLVISEEISP DGSYRLPYKFEVQQMLEEPQWGLVF EKTRWII EKYRLSHSSVPM D KIFRRDSD  
LTCLQKLL ECMRKTLSKVTNCFMAEEFLTEIENL FLSNYKSNQENGVTEENCTKELLM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

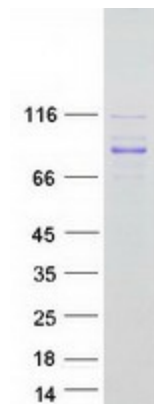
Tag:	C-Myc/DDK
Predicted MW:	94.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001078956</a>
<b>Locus ID:</b>	114803
<b>UniProt ID:</b>	<a href="#">Q5VVJ2</a>
<b>RefSeq Size:</b>	2589
<b>Cytogenetics:</b>	1p32.1
<b>RefSeq ORF:</b>	2484
<b>Synonyms:</b>	2A-DUB; 2ADUB; BMFS4
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).