

Recombinant Human MYSM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYSM1-5903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYSM1 MS Standard C13 and N15-labeled recombinant protein (NP_001078956) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	MYSM1 (Myb Like, SWIRM And MPN Domains 1) is a Protein Coding gene. Diseases associated with MYSM1 include Bone Marrow Failure Syndrome 4 and Congenital Progressive Bone Marrow Failure-B-Cell Immunodeficiency-Skeletal Dysplasia Syndrome. Among its related pathways are Metabolism of proteins and Deubiquitination. Gene Ontology (GO) annotations related to this gene include chromatin binding. An important paralog of this gene is SMARCC1.
Molecular Mass	94.9 kDa
AA Sequence	MAAEEADVDIEGDVVAAGAQP GSGENTASVLQKDHYLDSSWRTENGLIPWTL DNT ISEENRAVIEKMLLEEEYYLSKKSQPEKVWLDQKEDDKKYMKSLQKTAKIMVHSPTK PASYSVKWTIEEKELFEQGLAKFGRRWTKISKLGSR TVLQVKSYARQYFKNKVKCG LDKETPNQKTGHN LQVKNE DKGTAWTPSCLRGRADPNLNAV KIEKLSDD EEDVIT DEVDELSSQTPQKNSSS D LLLDFPNSKMHETNQGEFITS DSQEALFSKSSRGCLQN EKQDETLSSSEITLWTEKQSN GDKKSIELNDQKFNELIKNCNKHDGRGIIVDARQLPS PEPCEIQKNLNDNEMLFHSCQMVEESHEEEELKPPEQEIEIDRNIIQEEEEKQAIPEFFE

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GRQAKTPERYLKIRNYILDQWEICKPKYLNKTSVRPGLKNCGDVNCIGRIHTYLELIG
 AINFGCEQAVYNRPQTVDKVRIRDRKDAVEAYQLAQRLQSMRTRRRRVDRPWGN
 WCDAKDLEGQTFEHLSAEELAKRREEEKGRPVKSLKVPRPTKSSFDPFQLIPCNFFS
 EEKQEPFQVKVASEALLIMDLHAHVSMMAEVIGLLGGRYSEVDKVVEVCAAEPNSLS
 TGLQCEMDPVSQTQASETLAVRGFSVIGWYHSHPAFDPNPSLRDIDTQAKYQSYFS
 RGGAKFIGMIVSPYNNRNNPLPYSQITCLVISEEISPDGSYRLPYKFEVQQMLEEPQW
 GLVFEKTRWIIKEYRLSHSSVPMDKIFRRDSDLTCLQKLLCEMRKTL SKVTNCFMAE
 EFLTEIENLFLSNYKSNQENGVTENCTKELLMTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MYSM1 Myb like, SWIRM and MPN domains 1 [Homo sapiens (human)]

Official Symbol MYSM1

Synonyms MYSM1; Myb-like, SWIRM and MPN domains 1; histone H2A deubiquitinase MYSM1; KIAA1915; myb-like, SWIRM and MPN domain-containing protein 1; 2ADUB; 2A-DUB; RP4-592A1.1; DKFZp779J1554; DKFZp779J1721;

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Gene ID	114803
mRNA Refseq	NM_001085487
Protein Refseq	NP_001078956
MIM	612176
UniProt ID	Q5VVJ2
SDS-PAGE	