

AR51246PU-S**Human MDS1 (1-169, His-tag) - Purified****Alternate names:**

MDS1-EV1, Myelodysplasia syndrome 1, PRDM3

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

MDS1 is a transcriptional regulator and oncoprotein that may be involved in hematopoiesis, apoptosis, development, and cell differentiation and proliferation. The protein can interact with CTBP1, SMAD3, CREBBP, KAT2B, MAPK8, and MAPK9. This gene can undergo translocation with the AML1 gene, resulting in overexpression of this gene and the onset of leukemia. Several transcript variants encoding a few different isoforms have been found for this gene. Recombinant human MDS1 protein, fused to His-tag at N-terminus, was expressed in E.coli

Uniprot ID:[Q6FH90](#)**NCBI:**[NP_004982.1](#)**GeneID:**[2122](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea**Description:****AA Sequence:**MGSSHHHHHH SGLVPRGSH MGSMSKGRA RKLATNNECV YGNYPEIPLE EMPDADGVAS
TPSLNIQEPK SPATSSEAFK PKEGSPYKAP IYIPDDIPIP AEFELRESNM PGAGLGIWTK
RKIEVGEKFKG PYVGEQRSNL KDPSYGWEVH LPRSRRVSVH SWLYLGKRSS DVGIAFSQAD
VYMPGLQCAF LS**Molecular weight:** 21.1 kDa (192aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Fears S., et al. (1996) Proc. Natl. Acad. Sci. U.S.A. 93:1642-1647.

Pictures:

