

**MDS1, 1-169aa, Human, His tag, E.coli**

**Cat.NO.: TP02937**

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3th Edition

**Synonyms:**Myelodysplasia syndrome protein 1, Myelodysplasia syndrome 1, MDS1-EV11, PRDM3

**Description:**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

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M Urea

**Molecular Weight:**21.1kDa (192aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMRSKGRARKLATNNECVYGNYPEIPLEEMPADGVASTPSLNIQEPCSPAT  
SSEAFTPKEGSPYKAPIYIPDDIPIPAEFELRESNMPGAGLGIWTKRKIEVGEKFGPYVGEQRSNLKDPYSGWEVHL  
PRRRVSVHSWLYLGKRSSDVGIAFSQADVMPGLQCAFLS

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.