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Datasheet for ABIN7555078

PRDM5 Protein (AA 1-630) (His tag)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | PRDM5 |
| Protein Characteristics: | AA 1-630 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PRDM5 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinat PRDM5 Protein expressed in mammalian cells. |
| Sequence: | MLGMYVPDFR SLKSSRVQDG MGLYTARRVR KGEKFGPFAG EKRPEDLDE NMDYRLMWEV RGSKGEVLYI LDATNPRHSN WLRVHEAPS QEQKNLAAIQ EGENIFYLAV EDIETDTELL IGYLDSDMEA EEEEEQIMTV IKEGEVENS RQSTAGRKDR LGCKEDYACP QCESSFTSED ILAEHLQTLH QKPTEEKEFK CKNCGKFPV KQALQRHVLQ CTAKSSLKES SRSFQCSVCN SSFSSASSFE QHQETCRGDA RFVCKADSCG KRLKSKDALK RHQENVHTGD PKKKLICVC NKKCSSASSL QEHRKIHEIF DCQECMKKFI SANQLKRHMI THSEKRPYNC EICNKSFKRL DQVGAHKVIH SEDKPYKCKL CGKGFHRNV YKNHKKTHSE ERPFQCEECK ALFRTPFSLQ RHLLIHNSER TFKCHHCDAT FKRKDTLVNH VQVHERHKK YRCELCKAF VTPSVLRSHK KTHTGEKEKI CPYCGQKFAS SGTLRVHIRS HTGERPYQCP YCEKGFSKND GLKMHIRTHT REKPYKCSEC SKAFSQKRL DEHKRTHTGE KPFQCDVCDL AFSLKKMLIR HKMTHNPNRP LAECQFCHKK FTRNDYLKVH MDNIHGVADS Sequence without tag. The proposed |

Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PRDM5

Alternative Name:

PRDM5 ([PRDM5 Products](#))

Background:

PR domain zinc finger protein 5 (EC 2.1.1.-) (PR domain-containing protein 5),FUNCTION: Sequence-specific DNA-binding transcription factor. Represses transcription at least in part by recruitment of the histone methyltransferase EHMT2/G9A and histone deacetylases such as HDAC1. Regulates hematopoiesis-associated protein-coding and microRNA (miRNA) genes. May regulate the expression of proteins involved in extracellular matrix development and maintenance, including fibrillar collagens, such as COL4A1 and COL11A1, connective tissue components, such as HAPLN1, and molecules regulating cell migration and adhesion, including EDIL3 and TGFB2. May cause G2/M arrest and apoptosis in cancer cells. {ECO:0000269|PubMed:15077163, ECO:0000269|PubMed:17636019, ECO:0000269|PubMed:21664999}.

Target Details

Molecular Weight: 73.1 kDa

UniProt: [Q9NQX1](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months