

Datasheet for ABIN7551015

PRDM7 Protein (AA 1-492) (His tag)



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Overview

Quantity:	1 mg
Target:	PRDM7
Protein Characteristics:	AA 1-492
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRDM7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PRDM7 Protein expressed in mammalian cells.
Sequence:	MSPERSQEEES PEGDTERTER KPMVKDAFKD ISYFTKEEW AEMGDWEKTR YRNVKMNYNA LITVGLRATR PAFMCHRRQA IKLQVDDTED SDEEWTPRQQ VKPPWMAFRG EQSKHQKGMP KASFNNESL RELSGTPNLL NTSDSEQAQK PVSPPGEAST SGQHSRLKLE LRRKETEGKM YSLRERKGHA YKEISEPQDD DYLYCEMCQN FFIDSCAAHG PPTFVKDSAV DKGHPNRSAL SLPPGLRIGP SGIPQAGLGV WNEASDLPLG LHFGPYEGRI TEDEEAANSY YSWLITKGRN CYEYVDGKDK SSANWMRYVN CARDDEEQNL VAFQYHRQIF YRTRCVIRPG CELLVWSGDE YGQELGIRSS IEPAESLGQA VNCWSGMGMS MARNWASSGA ASGRKSSWQG ENQSQRSIHV PHAVWPFQVK NFSVNMWNAI TPLRTSQDHL QENFSNQRIP AQGIRIRSGN ILIHAAVMTK PKVKRSKKGK NS 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

PRDM7

Alternative Name:

PRDM7 ([PRDM7 Products](#))

Background:

Histone-lysine N-methyltransferase PRDM7 (EC 2.1.1.-) (PR domain zinc finger protein 7) (PR domain-containing protein 7) ([histone H3]-lysine4 N-methyltransferase PRDM7),FUNCTION: Histone methyltransferase that selectively methylates 'Lys-4' of dimethylated histone H3 (H3K4me2) to produce trimethylated 'Lys-4' histone H3 (H3K4me3). May play a role in epigenetic regulation of gene expression by defining an active chromatin state. {ECO:0000269|PubMed:27129774}.

Molecular Weight:

55.8 kDa

UniProt:

[Q9NQW5](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

	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