Datasheet for ABIN7557584

PRDM1 Protein (AA 1-856) (His tag)

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Overview

Quantity:	1 mg
Target:	PRDM1
Protein Characteristics:	AA 1-856
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRDM1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Prdm1 Protein expressed in mammalien cells.
Sequence:	MREAYLRCWI FSWKNVWVRP CQRLHFKTVL LQGSLLYTAL DSYSTVQAAP KSSSGSVKFQ GLAETGIMKM DMEDADMTLW TEAEFEEKCT YIVNDHPWDS GADGGTSVQA EASLPRNLLF KYAANNSKEV IGVVSKEYIP KGTRFGPLIG EVYTNDTVPK NANRKYFWRI YSREEFHHFI DGFNEEKSNW MRYVNPAHSA REQNLAACQN GMNIYFYTIK PIPANQELLV WYCRDFAERL HYPYPGELTV INLTQTESNP KQYSSEKNEL YPKSVPKREY SVKEILKLDS NPSKRKDIYR SNISPFTLEK DMDGFRKNGS PDMPFYPRVV YPIRAPLPED FLKASLAYGM ERPTYITHSP LPSSTTPSPP ASSSPEQSLK SSSPHSSPGN TVSPLAPGLP EHRDSYSYLN VSYGSEGLGS YPGYAPAPHL PPAFIPSYNA HYPKFLLPPY GISSNGLSTM NNINGINNFS LFPRLYPVYS NLLSGSSLPH PMLNPASLPS SLPTDGARRL LPPEHPKEVL IPAPHSAFSL TGAAASMKDE SSPPSGSPTA GTAATSEHVV QPKATSSVMA APSTDGAMNL IKNKRNMTGY KTLPYPLKKQ NGKIKYECNV CAKTFGQLSN LKVHLRVHSG ERPFKCQTCN KGFTQLAHLQ KHYLVHTGEK

Product Details

	PHECQVCHKR FSSTSNLKTH LRLHSGEKPY QCKVCPAKFT QFVHLKLHKR LHTRERPHKC AQCHKSYIHL CSLKVHLKGN CPAGPAAGLP LEDLTRINEE IERFDISDNA DRLEDMEDSV DVTSMVEKEI LAVVRKEKEE TSLKVSLQRN MGNGLLSSGC SLYESSDLSL MKLPHSNPLP LVPVKVKQET VEPMDP **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 mammalien 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:	PRDM1
Alternative Name:	Prdm1 (PRDM1 Products)
Background:	PR domain zinc finger protein 1 (EC 2.1.1.-) (B lymphocyte-induced maturation protein 1) (Blimp-1) (Beta-interferon gene positive regulatory domain I-binding factor) (PR domain-containing protein 1),FUNCTION: Transcription factor that mediates a transcriptional program in various innate and adaptive immune tissue-resident lymphocyte T cell types such as tissue-resident memory T (Trm), natural killer (trNK) and natural killer T (NKT) cells and negatively regulates gene expression of proteins that promote the egress of tissue-resident T-cell populations from non-lymphoid organs (PubMed:27102484). Plays a role in the development,

Target Details

	retention and long-term establishment of adaptive and innate tissue-resident lymphocyte T cell types in non-lymphoid organs, such as the skin and gut, but also in other nonbarrier tissues like liver and kidney, and therefore may provide immediate immunological protection against reactivating infections or viral reinfection (PubMed:27102484). Binds specifically to the PRDI element in the promoter of the beta-interferon gene (By similarity). Drives the maturation of B-lymphocytes into Ig secreting cells (By similarity). Associates with the transcriptional repressor ZNF683 to chromatin at gene promoter regions (PubMed:27102484). Binds to the promoter and acts as a transcriptional repressor of IRF8, thereby promotes transcription of osteoclast differentiation factors such as NFATC1 and EEIG1 (PubMed:32741026). {ECO:0000250|UniProtKB:O75626, ECO:0000269|PubMed:27102484, ECO:0000269|PubMed:32741026}.
Molecular Weight:	95.8 kDa
UniProt:	Q60636
Pathways:	Regulation of Muscle Cell Differentiation

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