

Datasheet for ABIN7565164
DMRT1 Protein (AA 1-374) (His tag)



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Overview

Quantity:	1 mg
Target:	DMRT1
Protein Characteristics:	AA 1-374
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DMRT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Dmrt1 Protein expressed in mammalien cells.
Sequence:	MPNDDTFGKP STPTEVP HAP GAPPQ GKAGG YSKAAGAMAG AAGGSGAGGS GGASGSGPSG LGSGSKKSPR LPKCARCRNH GYASPLKGHK RFCMWRDCQC KKCSLIAERQ RVMAAQVALR RQQAQEEELG ISHPIPLPSA AELLVKRENN ASNPCLMAEN SSSAQPPPAS TPTPAASEGR MVIQDIPAVT SRGHMENTSD LVSDPAYYSS FYQPSLFPYY NNLYNYPQYS MALSAESSSG EVGNSLGGSP VKNSLRSLPA PYVPAQTGNQ WQMKTSESRH PVSSQYRMHS YYGPPSYLGQ SMSQIFTFEE GPSYSEAKAS VFSPPSSQDS GLVSLSSSSP MSNESSKGVL ECESASSEPS SYAVNQVLEE DEDE 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:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	DMRT1
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Alternative Name:	Dmrt1 (DMRT1 Products)
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Background:	<p>Doublesex- and mab-3-related transcription factor 1,FUNCTION: Transcription factor that plays a key role in male sex determination and differentiation by controlling testis development and male germ cell proliferation. Plays a central role in spermatogonia by inhibiting meiosis in undifferentiated spermatogonia and promoting mitosis, leading to spermatogonial development and allowing abundant and continuous production of sperm. Acts both as a transcription repressor and activator: prevents meiosis by restricting retinoic acid (RA)-dependent transcription and repressing STRA8 expression and promotes spermatogonial development by activating spermatogonial differentiation genes, such as SOHLH1. Also plays a key role in postnatal sex maintenance by maintaining testis determination and preventing feminization: represses transcription of female promoting genes such as FOXL2 and activates male-specific genes. May act as a tumor suppressor. May also play a minor role in oogenesis.</p> <p>{ECO:0000269 PubMed:11040213, ECO:0000269 PubMed:17540358, ECO:0000269 PubMed:20007774, ECO:0000269 PubMed:20616082, ECO:0000269 PubMed:20951351, ECO:0000269 PubMed:21621532,</p>
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Target Details

ECO:0000269|PubMed:21775990}.

Molecular Weight: 39.4 kDa

UniProt: [Q9QZ59](#)

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