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## Datasheet for ABIN7564330 DMRT2 Protein (AA 1-561) (His tag)

### Overview

Quantity:	1 mg
Target:	DMRT2
Protein Characteristics:	AA 1-561
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DMRT2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Dmrt2 Protein expressed in mammalien cells.
Sequence:	MTEGQAVPGV GDWEIDVESL DLEEDSCGTP LRATPPQEPS PAAADGEEDE DEEEEDVE DEGDGEEPGV SSEVPGRPEQ PGGLAPRPPP AAQALPAAAA APERGATAGG GAEPRKLSRT PKCARCRNHG VVSLCKGHKR FCRWRDCQCA NCLLVVERQR VMAAQVALRR QQATEDKKGL SGKQNNFDRK AVYQRQVRAP SLLAKSILEG YRPMTAETYL GGTLPLPPPV SDRMRKRRAF ADKELNIML EREYKEREML ETSQAAALFL PNMVPGPEY SSYKGTYSPT AGELPSKDFC NFLPTCLDLT MQYSGSGNME LISSNVSVAT TYRQYPLSSR FLVWPKCGPI SDTLLYQQYL LNATTSVQAL KPGTGWDLKG TRVQDGLSAE QDMMPPKLEG SLVPLPHLPEV PASRTDLQVH QVVPERSAFS PPGRNFSPIV DMDCLAAQGH VLTKLSKENT RPSLPLKTNP FHSVFFQTLT DKSGPELNAP FVKEAFEETP KKHRECLVKE SQKYTFTIDR CAKDLFVAKQ VGTKLSANEP LSFSVESILK RPSSAVTHVS Q <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b>

## Product Details

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**another tag necessary. In case you have a special request, please contact us.**

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### 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.

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### Purity:

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

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### Grade:

custom-made

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## Target Details

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### Target:

DMRT2

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### Alternative Name:

Dmrt2 ([DMRT2 Products](#))

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### Background:

Doublesex- and mab-3-related transcription factor 2 (Doublesex-like 2 protein) (Terra),FUNCTION: Transcriptional activator that directly regulates early activation of the myogenic determination gene MYF5 by binding in a sequence-specific manner to the early epaxial enhancer element of it. Involved in somitogenesis during embryogenesis and somite development and differentiation into sclerotome and dermomyotome. Required for the initiation and/or maintenance of proper organization of the sclerotome, dermomyotome and myotome. Is not required for sex determination and/or differentiation in embryonic development. Also not involved in symmetric somite formation and hence does not regulate the laterality pathway that controls left-right asymmetric organ positioning. {ECO:0000269|PubMed:10021344, ECO:0000269|PubMed:16387292, ECO:0000269|PubMed:17605809, ECO:0000269|PubMed:20368965, ECO:0000269|PubMed:21203428}.

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### Molecular Weight:

61.6 kDa

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## Target Details

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UniProt: [Q8BG36](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months