

Recombinant Human DMRT1

Cat. No. DMRT1-27093TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DMRT1 with N terminal proprietary tag; Predicted MWt 67.14 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	373 amino acids
Description	This gene is found in a cluster with two other members of the gene family, having in common a zinc finger-like DNA-binding motif (DM domain). The DM domain is an ancient, conserved component of the vertebrate sex-determining pathway that is also a key regulator of male development in flies and nematodes. This gene exhibits a gonad-specific and sexually dimorphic expression pattern. Defective testicular development and XY feminization occur when this gene is hemizygous.
Molecular Weight	67.140kDa inclusive of tags
Tissue specificity	Testis specific.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MPNDEAFSKPSTPSEAPHAPGVPPQGRAGGFGKASGALVG AASGSSAGGSSRGG GSGSGASDLGAGSKKSPRLPKCARCR NHGYASPLKGHKRFCMWRDCQCKKCNLI AERQVRMAAQVA LRRQQAQEEELGISHPIPLPSAAELLVKRENNGSNPCLMT ECS GTSQPPPPASVPTTAASEGRMVIQDIPAVTSRGHVENT PDLVSDSTYYSSFYQPSLF PYYNNLYNCPQYSMALAADSA SGEVGNPLGGSPVKNSLRGLPGPYVPGQTGNQW QMKNMEN RHAMSSQYRMHSYPPPSYLGQSVQFFTFEDAPSYPEAR ASVFSP SSQDSGLVSLSSSSPISNKSTKAVLECEPASEP SSFTVTPVIEEDE
Sequence Similarities	Belongs to the DMRT family.Contains 1 DM DNA-binding domain.
GENE INFORMATION	
Gene Name	DMRT1 doublesex and mab-3 related transcription factor 1 [Homo sapiens]
Official Symbol	DMRT1
Synonyms	DMRT1; doublesex and mab-3 related transcription factor 1; doublesex- and mab-3-related transcription factor 1; DM domain expressed in testis 1; DMT1;
Gene ID	1761
mRNA Refseq	NM_021951
Protein Refseq	NP_068770
MIM	602424

Uniprot ID	Q9Y5R6
Chromosome Location	9p24.3
Function	metal ion binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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