Recombinant Full Length Human DMRT1 Protein

Cat. No. DMRT1-128HF **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	In Vitro Cell Free System
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.
Form	Liquid
Molecular Mass	67.140kDa inclusive of tags
AA Sequence	MPNDEAFSKPSTPSEAPHAPGVPPQGRAGGFGKASGALVG AASGSSAGGSSRGG GSGSGASDLGAGSKKSPRLPKCARCR NHGYASPLKGHKRFCMWRDCQCKKCNLI AERQRVMAAQVA LRRQQAQEEELGISHPIPLPSAAELLVKRENNGSNPCLMT ECS GTSQPPPASVPTTAASEGRMVIQDIPAVTSRGHVENT PDLVSDSTYYSSFYQPSLF PYYNNLYNCPQYSMALAADSA SGEVGNPLGGSPVKNSLRGLPGPYVPGQTGNQW

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	QMKNMEN RHAMSSQYRMHSYYPPPSYLGQSVPQFFTFEDAPSYPEAR ASVFSPP SSQDSGLVSLSSSSPISNKSTKAVLECEPASEP SSFTVTPVIEEDE
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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

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