Recombinant Full Length Human DMRT1 Protein, GST-tagged

Cat. No. DMRT1-4029HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DMRT1 full-length ORF (AAH40847.1, 1 a.a. - 373 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq, Jul 2008]
Molecular Mass	66.77 kDa
AA Sequence	MPNDEAFSKPSTPSEAPHAPGVPPQGRAGGFGKASGALVGAASGSSAGGSSRGG GSGSGASDLGAGSKKSPRLPKCARCRNHGYASPLKGHKRFCMWRDCQCKKCNLI AERQRVMAAQVALRRQQAQEEELGISHPIPLPSAAELLVKRENNGSNPCLMTECSG TSQPPPASVPTTAASEGRMVIQDIPAVTSRGHVENTPDLVSDSTYYSSFYQPSLFPY YNNLYNCPQYSMALAADSASGEVGNPLGGSPVKNSLRGLPGPYVPGQTGNQWQM KNMENRHAMSSQYRMHSYYPPPSYLGQSVPQFFTFEDAPSYPEARASVFSPPSSQ

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	DSGLVSLSSSSPISNKSTKAVLECEPASEPSSFTVTPVIEEDE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; DM domain expressed in testis protein 1;
Gene ID	1761
mRNA Refseq	NM_021951
Protein Refseq	NP_068770
MIM	602424

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UniProt ID	Q9Y5R6

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