Doublesex- and Mab-3-Related Transcription Factor 3 (DMRT3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Doublesex- and mab-3-related transcription factor 3 (DMRT3), Recombinant Protein
Full Product Name	Recombinant Human Doublesex- and mab-3-related transcription factor 3 (DMRT3)
Product Gene Name	DMRT3 recombinant protein
Product Synonym Gene Name	DMRT3
Sequence	MNGYGSPYLY MGGPVSQPPR APLQRTPKCA RCRNHGVLSW LKGHKRYCRF KDCTCEKCIL IIERQRVMAA QVALRRQQAN ESLESLIPDS LRALPGPPPP GDAVAAPQPP PASQPSQPQP PRPAAELAAA AALRWTAEPQ PGALQAQLAK PDLTEERLGD GKSADNTEVF SDKDTDQRSS PDVAKSKGCF TPESPEIVSV EEGGYAVQKN GGNPESRPDS PKCHAEQNHL LIEGPSGTVS LPFSLKANRP PLEVLKKIFP NQKPTVLELI LKGCGGDLVS AVEVLLSSRS SVTGAERTSA EPESLALPSN GHIFEHTLSS YPISSSKWSV GSAFRVPDTL RFSADSSNVV PSPLAGPLQP PFPQPPRYPL MLRNTLARSQ SSPFLPNDVT LWNTMTLQQQ YQLRSQYVSP FPSNSTSVFR SSPVLPARAT EDPRISIPDD GCPFVSKQSI YTEDDYDERS DSSDSRTLNT SS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	51,199 Da
Sequence Positions	1-472, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	614754
3D Structure	ModBase 3D Structure for Q9NQL9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DMRT3 recombinant protein	MBS1418913 is a recombinant protein targeting DMRT3. Also known as Recombinant Human Doublesex- and mab-3-related transcription factor 3 (DMRT3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DMRT3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DMRT3. It may not necessarily be applicable to this product.

NCBI GI #	11056048
NCBI GeneID	58524

NCBI Accession #	NP_067063.1
UniProt Primary Accession #	Q9NQL9
UniProt Secondary Accession #	Q7LA03; Q7LCH8; Q96SC7; Q9NRQ9
UniProt Related Accession #	Q9NQL9
GenBank Nucleotide #	NM_021240.3
NCBI Official Full Name	doublesex- and mab-3-related transcription factor 3
NCBI Official Synonym Full Names	doublesex and mab-3 related transcription factor 3
NCBI Official Symbol	DMRT3
NCBI Official Synonym Symbols	DMRTA3
UniProt Protein Name	Doublesex- and mab-3-related transcription factor 3
Protein Family	Doublesex and mab-3 related transcription factor
UniProt Gene Name	DMRT3
UniProt Synonym Gene Names	DMRTA3
NCBI Protein Information	doublesex- and mab-3-related transcription factor 3
UniProt Comments for DMRT3	Probable transcription factor that plays a role in configuring the spinal circuits controlling stride in vertebrates. Involved in neuronal specification within specific subdivision of spinal cord neurons and in the development of a coordinated locomotor network controlling limb movements. May regulate transcription during sexual development ().
Research Articles on DMRT3	**1.** Thus, the deletion of the cis-regulatory element for DMRT3 in humans may cause impaired development of the forebrain and gait abnormalities, resulting in spastic CP. In conclusion, this study provides new mechanistic insights into the genetic basis of CP.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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