

## Product datasheet for TP525528

### Dmrt1 (NM\_015826) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse doublesex and mab-3 related transcription factor 1 (Dmrt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225528 representing NM_015826 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MPNDDTFGKPSTPTEVPHAPGAPPQGKAGGYSKAAGAMAGAAGGSGAGGSGGASGSGPSGLGSGSKKS PR LPKCARCRNHGYASPLKGHKRFCMWRDCQCKKCSLIAERQVRMAAQVALRRQQAQEEELGISHPIPLPS A AELLVKRENNASNPCLMAENSSSAQPPASTPTPAASEGRMVIQDIPAVTSRGHMENTSDLVSDPAYYSS FYQPSLFPYYNNLYNYPQYSMALSAESSSGEVGNSLGGSPVKNSLRSLPAPYVPAQTGNQWQMKTSES R H PVSSQYRMHSYYGPPSYLGQSMSQIFTFEEGPSYSEAKASVFSPSSQDSGLVSLSSSPMSNESSKGV L ECESASSEPSYAVNQVLEEDEDE
	<b>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	39.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_056641](#)

Locus ID: 50796

UniProt ID: [Q9QZ59](#)

RefSeq Size: 2251

Cytogenetics: 19 B

RefSeq ORF: 1122

**Summary:** Transcription factor that plays a key role in male sex determination and differentiation by controlling testis development and male germ cell proliferation. Plays a central role in spermatogonia by inhibiting meiosis in undifferentiated spermatogonia and promoting mitosis, leading to spermatogonial development and allowing abundant and continuous production of sperm. Acts both as a transcription repressor and activator: prevents meiosis by restricting retinoic acid (RA)-dependent transcription and repressing STRA8 expression and promotes spermatogonial development by activating spermatogonial differentiation genes, such as SOHLH1. Also plays a key role in postnatal sex maintenance by maintaining testis determination and preventing feminization: represses transcription of female promoting genes such as FOXL2 and activates male-specific genes. May act as a tumor suppressor. May also play a minor role in oogenesis.[UniProtKB/Swiss-Prot Function]