

Product datasheet for TP522297

Nanos2 (NM_194064) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nanos C2HC-type zinc finger 2 (Nanos2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222297 representing NM_194064 Red =Cloning site Green =Tags(s)
	 MDLPPFDMWRDYFNLSQVWMDIIQSRKQRQEGEVAEEPNSRPQEKSEQDLEGYPGCLPTICNFCKHNGES RHVYTSHTMLKTPGVVCPILRHVVCPLCGATGDQAHTLKYCPLNSSQSLYRRSGRNSAGRRVKR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	16 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.
RefSeq:	NP_918953
Locus ID:	378430
UniProt ID:	P60322 , I6ZHM2
RefSeq Size:	1439
Cytogenetics:	7 A3
RefSeq ORF:	408



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Synonyms: nos2

Summary: Plays a key role in the sexual differentiation of germ cells by promoting the male fate but suppressing the female fate. Represses the female fate pathways by suppressing meiosis, which in turn results in the promotion of the male fate. Maintains the suppression of meiosis by preventing STRA8 expression, which is required for premeiotic DNA replication, after CYP26B1 is decreased. Regulates the localization of the CCR4-NOT deadenylation complex to P-bodies and plays a role in recruiting the complex to trigger the degradation of mRNAs involved in meiosis. Required for the maintenance of the spermatogonial stem cell population. Not essential for the assembly of P-bodies but is required for the maintenance of their normal state.[UniProtKB/Swiss-Prot Function]