

Product datasheet for **TP525256**

Neurod2 (NM_010895) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse neurogenic differentiation 2 (Neurod2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225256 representing NM_010895 Red =Cloning site Green =Tags(s)

MLTRLFSEPGLLSDVPKFASWGDGDDDEPRSDKGDAPPQPPPAPGSGAPGPARAAPVSLRGGEEIPEPT
LAEVKEEGELGGEEEEEEEEGLDEAAGERPKKRGPKKRKMTKARLERSKLRQKANARERNRMHDLNA
ALDNLRKVWPCYSKTQKLSKIETLRLAKNYIWALSEILRSGKRPDLVSYVQTLCKGLSQPTTNLVAGCLQ
LNSRNFLTEQGADGAGRFHGGSGPFAMHPYPYPCSRLAGAQCQAAGGLGGGAHAHALRTHGYCAAYETLYA
AAGGGGASPDYNSSEYEGPLSPPLCLNGNFSKQDSSPDHEKSYHYSMHYSALPGSRPTGHGLVFGSSAV
RGGVHSENLISYDMHLHHDGRGPMYEELNAFFHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	41.5 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_035025
Locus ID:	18013
UniProt ID:	Q62414 , Q3TYB2



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RefSeq Size: 3137

Cytogenetics: 11 61.75 cM

RefSeq ORF: 1149

Synonyms: bHLHa1; Ndrf

Summary: Transcriptional regulator implicated in neuronal determination. Mediates calcium-dependent transcription activation by binding to E box-containing promoter. Critical factor essential for the repression of the genetic program for neuronal differentiation; prevents the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. Induces transcription of ZEB1, which in turn represses neuronal differentiation by down-regulating REST expression. Plays a role in the establishment and maturation of thalamocortical connections; involved in the segregation of thalamic afferents into distinct barrel domains within layer VI of the somatosensory cortex. Involved in the development of the cerebellar and hippocampal granular neurons, neurons in the basolateral nucleus of amygdala and the hypothalamic-pituitary axis. Associates with chromatin to the DPYSL3 E box-containing promoter.[UniProtKB/Swiss-Prot Function]