

## Product datasheet for TP505460

### Neurod1 (NM\_010894) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse neurogenic differentiation 1 (Neurod1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205460 representing NM_010894 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MTKSYSESGLMGEPQPQGPPSWTDECLSSQDEEHEADKKEDLEAMNAEEDSLRNGGEEEEDEDELEEE EEEEEEDQKPKRRGPKKKKMTKARLERFKLRRMKANARERNRMHGLNAALDNLRKVPCYSKTQKLSKI ETLRLAKNIWALSEILRSGKSPDLVSFVQTLCKGLSQPTTNLVAGCLQLNPRTFLPEQNPDMPPHLPTA SASFPVHPYSYQSPGLSPPPYGTMDSSHVFHVKPPPHAYSAALEPFFESPLTDCTSPSFDGGLSPPLSIN GNFSFKHEPSAEFEKNYAFTMHYPAATLAGPQSHGSIFSSGAAAPRCEIPIDNIMSFDSSHHERVMSAQ LNAIFHD  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-MYC/DDK
Predicted MW:	40.4 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:	<a href="#">NP_035024</a>
Locus ID:	18012
UniProt ID:	<a href="#">Q60867</a>


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<b>RefSeq Size:</b>	2495
<b>Cytogenetics:</b>	2 47.58 cM
<b>RefSeq ORF:</b>	1071
<b>Synonyms:</b>	BETA2; BHF-1; bHLHa3; Nd1; Neurod
<b>Summary:</b>	Acts as a transcriptional activator: mediates transcriptional activation by binding to E box-containing promoter consensus core sequences 5'-CANNTG-3'. Associates with the p300/CBP transcription coactivator complex to stimulate transcription of the secretin gene as well as the gene encoding the cyclin-dependent kinase inhibitor CDKN1A. Contributes to the regulation of several cell differentiation pathways, like those that promote the formation of early retinal ganglion cells, inner ear sensory neurons, granule cells forming either the cerebellum or the dentate gyrus cell layer of the hippocampus, endocrine islet cells of the pancreas and enteroendocrine cells of the small intestine. Together with PAX6 or SIX3, is required for the regulation of amacrine cell fate specification. Also required for dendrite morphogenesis and maintenance in the cerebellar cortex. Associates with chromatin to enhancer regulatory elements in genes encoding key transcriptional regulators of neurogenesis.[UniProtKB/Swiss-Prot Function]