

## Product datasheet for TP522919

### Cux1 (NM\_198602) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse cut-like homeobox 1 (Cux1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR222919 representing NM_198602 Red=Cloning site Green=Tags(s)

MAANVGSMFYWKRFDLQQLQRELDATATVLANRQDESEQSRKRLIEQSREFKKNTPEDLRKQVAPLLKS  
FQGEIDALSKRSKEAAFLTVYKRLIDVPDPVPALDVGQQLKIKVQRLHDIETENQKLRETL E EYNKEF  
AEVKNQEVTIKALKEKIREYEQTLKSQAETIALEKEQKLQNDFAEKERKLQETQMSTTSKLEEAHKLQT  
LQTALEKTRTEFLDKTKYDEETTAKADEIEMIMTDLERANQRAEVAQREAETLREQLSSANHSLQLASQ  
IQKAPDVAIEVLTRSSLEVELAAKEREIAQLVEDVQRLQASLTKLRENSASQISQLEQQLNAKNSTLQKL  
EEKLKGQADYEEVKKELNLTLSMEFAPSEGAGTQDSTKPLEVLLLEKNRSLQSENATLRISNSDLSGRCA  
ELQIHLTEATAKAVEQKELIARLEQDLSTIQSIQRPDAEGASEQGLEKIPEPIKEATALFYGSPMSSSGT  
LPEGQVDSLLSISSQRERFRTRNQELEAESRMAQHTIQALQSELSLRADNIKLFKIKFLQSYPRGI  
GSDDELRYSSQYEERLDPFSSFSKRERQRKYLGLSPWDKATLGMGRILSNKMA RTISFFYTLFLHCLV  
FLVLYKLAWSESV ERDCAATCAKKFADHLHKFHESDNGAAAGDLWQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	77.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	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:	<a href="#">NP_941004</a>
Locus ID:	13047
UniProt ID:	<a href="#">H3BKT0</a> , <a href="#">Q9JJB6</a> , <a href="#">Q6AXG1</a> , <a href="#">Q5BL05</a>
RefSeq Size:	2972
Cytogenetics:	5 75.96 cM
RefSeq ORF:	2028
Synonyms:	CDP; Cutl1; Cux; Cux-1
Summary:	<p>Transcription factor involved in the control of neuronal differentiation in the brain. Regulates dendrite development and branching, and dendritic spine formation in cortical layers II-III (PubMed:20510857). Also involved in the control of synaptogenesis (Probable). In addition, it has probably a broad role in mammalian development as a repressor of developmentally regulated gene expression. May act by preventing binding of positively-activating CCAAT factors to promoters. Component of nf-munr repressor; binds to the matrix attachment regions (MARs) (5' and 3') of the immunoglobulin heavy chain enhancer. Represses T-cell receptor (TCR) beta enhancer function by binding to MARbeta, an ATC-rich DNA sequence located upstream of the TCR beta enhancer. Binds to the TH enhancer; may require the basic helix-loop-helix protein TCF4 as a coactivator.[UniProtKB/Swiss-Prot Function]</p>