

## Product datasheet for TP524557

### Clstn1 (NM\_023051) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse calyntenin 1 (Clstn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224557 representing NM_023051 Red=Cloning site Green=Tags(s)

MLRRPAPALAPAVRLLLAGLLCGGGVWAARVNHKHPWLEPTYHGIVTENDNTVLLDPPLIALDKDSPLRF  
AESFEVTVTKEGEICGFKIHGQNVPDFAWVDKSTGEGIIRSKEKLDCELQKDYFTTIQAYDCGKGPDTG  
GVKKSHKATVHIQVNDVNEYAPVFKEKSYKAAVVEGKQHSSILRVEAVDADCSQFSQICSYEILTPDVP  
FTVDKDGVIKNTKLNKGKEHQYKLTVTAYDCGKKRATEDVLVKISVKPTCSPGWQGWSSRIEYEPGTGA  
LAVFPSIHLETCDPEVASVQATVELETSHIGKGCRRDITYSEKSLHRLCGAAAGTSELLPSPSSSFNWTVG  
LPTDNGHDSQVFEFNGTQAVRIPDGVVTLDPKEPFTISVWMRHGPFGRKKETILCSSDKTDMNRHHYSL  
YVHGCRVFLRQDPSEEEKYRPAEFHWKLNQVCEDEWHHFVNLVEVPSVTLYVDGIPHEPFSVTEDYPL  
HPTKIETQLVVGACWQEYSGVESGNETEPATMASAGDLHMTQFFRGNLAGLTVRSGKLADKKVIDCLYT  
CKEGLDLQVPEDANRGVQIQASSSQAVLTLEGDNVGEDKAMQHISYLNRSRQFPTPGIRRLKITSTVKCF  
NEAACIEVPPVEGYVMVLQPEEPKISLSGVHHFARAASEFESAEGISLFPRLIISTITREVEPEADGSE  
DPTVQESLVSEEIVHDLDTCEVTVEGDELNAEQESLEVDVTRLQKQKIEASHSDLGVVFTGVETMASYEE  
VLHLLRYRNWHTRSLDRKFKLICSELNGRYSNEFKVEVNIHTANPVEHANHMAAQPQFVHPEHRFSV  
DLSGHNLNPHPFVAVPSTATVIVVCSFLVFMILGVFRIRAAHQRTMRDQDTGKENEMDWDSDSALTI  
TVNPMETYEDQHSSEEEEEEEEESEDEGEEEDITSAESESSEEEEEGGPGDQGNATRQLEWDDSTLSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	109.3 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



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<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.
<b>RefSeq:</b>	<a href="#">NP_075538</a>
<b>Locus ID:</b>	65945
<b>UniProt ID:</b>	<a href="#">Q9EPL2</a>
<b>RefSeq Size:</b>	3319
<b>Cytogenetics:</b>	4 E2
<b>RefSeq ORF:</b>	2937
<b>Synonyms:</b>	1810034E21Rik; Cst-1; Cstn1
<b>Summary:</b>	Induces KLC1 association with vesicles and functions as a cargo in axonal anterograde transport. Complex formation with APBA2 and APP, stabilizes APP metabolism and enhances APBA2-mediated suppression of beta-APP40 secretion, due to the retardation of intracellular APP maturation. In complex with APBA2 and C99, a C-terminal APP fragment, abolishes C99 interaction with PSEN1 and thus APP C99 cleavage by gamma-secretase, most probably through stabilization of the direct interaction between APBA2 and APP. As intracellular fragment AICD, suppresses APBB1-dependent transactivation stimulated by APP C-terminal intracellular fragment (AICD), most probably by competing with AICD for APBB1-binding. May modulate calcium-mediated postsynaptic signals.[UniProtKB/Swiss-Prot Function]