

Product datasheet for TP518524

Ctnna2 (NM_009819) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse catenin (cadherin associated protein), alpha 2 (Ctnna2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218524 representing NM_009819 Red=Cloning site Green=Tags(s)

MTSATSPIILKWDPKSLEIRTLTVERLLEPLVTQVTTLVNTSNKGPSTGKKKGRSKKAHVLAASVEQATQN
FLEKGEQIAKESQDLKEELVAAVEDVRKQGETMRIASSEFADDPCCSSVKRGTMVRAARALLSAVTRLLIL
ADMADVMRLLSHLKIVVEALEAVKNATNEQDLANRFKEFGKEMVKLNYVAARRQELKDPHCRDEMAAAR
GALKKNATMLYTASQAFLRHPDVAATRANRDYVFKQVQEAIAGISSAAQATSPTDEAKGHTGIGELAAAL
NEFDNKIILDPMTFSEARFRPSLEERLESIIISGAALMADSSCTRDDRERIVAECNAVRQALQDLLSEYM
NNTGRKEKGDPLNIAIDKMTKKTRDLRRQLRKAVMDHISDSFLETNPVLLVIEAAKSGNEKEVKEYAQV
FRESHANKLVEVANLACISISNNEEGVKLVRMAATQIDSLCPQVINAALTLAARPOSKVAQDNMDVFKDQWE
KQVRVLTEAVDDITSVDDFLSVSENHILEDVNVKCVIALQEGDVTDLDRTAGAIRGRAARVIHIIAEMEN
YEAGVYTEKVLKLLSETVMRFAEQVEVAIEALSANVPQPFEENEFIDASRLVYDGVDRDIRKAVLMI
RTPEELEDSDFEQEDYDVRSTSVQTEDDQLIAGQSARAIMAQLPQEEKAKIAEQVEIFHQEKSKLDAE
VAKWDDSGNDIIVLAKQMCMIMMEMTDFTRGKGPLKNTSDVINAACKIAEAGSRMDKLARAVADQCPDSA
CKQDLLAYLQRIALYCHQLNICKVKAQVNLGGELIVSGTGVQSTFTTFYEVDCDVIDGGRASQLSTHL
PTCAEGAPIGSGSSDSSMLDSATSLIQAAKNLMNAVVLTVKASYVASTKYQKVYGTAAVNSPVVSWKMKKA
PEKKPLVKREKPEEFQTRVRRGSQKKHISPVQALSEFKAMDSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	105.7 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



[View online »](#)

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_033949
Locus ID:	12386
UniProt ID:	Q61301
RefSeq Size:	4046
Cytogenetics:	6 33.54 cM
RefSeq ORF:	2859
Synonyms:	AI481747; Catna; Catna2; cdf; chp
Summary:	May function as a linker between cadherin adhesion receptors and the cytoskeleton to regulate cell-cell adhesion and differentiation in the nervous system (PubMed:12123610, PubMed:15034585). Required for proper regulation of cortical neuronal migration and neurite growth. It acts as negative regulator of Arp2/3 complex activity and Arp2/3-mediated actin polymerization. It thereby suppresses excessive actin branching which would impair neurite growth and stability (By similarity). Regulates morphological plasticity of synapses and cerebellar and hippocampal lamination during development. Functions in the control of startle modulation (PubMed:12089526).[UniProtKB/Swiss-Prot Function]