

Product datasheet for TP511134

Ctnna1 (NM_009818) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse catenin (cadherin associated protein), alpha 1 (Ctnna1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR211134 protein sequence
 Red=Cloning site Green=Tags(s)

MTAVHAGNINFKWDPKSLEIRTLAVERLLEPLVTQVTTLVTTNSKGPSNKKRGRSKKAHVLAASVEQATE
 NFLEKGDKIAKESQFLKEELVVAVEDVRKQGDLMKSAAGEFADDPCCSVKRGNMVRAARALLSAVTRLLI
 LADMADVYKLLVQLKVVEDGILKLRNAGNEQDLGIQYKALKPEVDKLNIMAAKRQQLKDVGNRDQMA
 AA
 RGILQKNVPILYTASQACQLHPDVAAYKANRDLIYKQLQQAVTGISNAAQATASDDAAQHQQGGSGGELAY
 ALNNFDKQIIVDPLSFSEERFRPSLEERLESIISGAALMADSSCTRRDRRERIVAECNAVRQALQDLLSE
 YMGNAGRKERSDALNSAIDKMTKTRDLRRQLRKAVMDHVSDSFLETNVPLLVLEAAKNGNEKEVKEYA
 QVFRHANKLIEVANLACISISNNEEGVKLV RMSASQLEALCPQVINAALALA AKPQSKLAQENMDLFKEQ
 WEKQVRVLTDAVDDITSIDDFLAVSENHILEDV NKC VIALQEKDVGDLDRTAGAIRGRAARVIHVVTSEM
 DNYEPGVYTEKVLEATKLLSNTVM PRFTEQVEAAVEALSSDPAQPM DENEFIDASRLVYDGIRDIRKAVL
 MIRTPEELDDSFETEDFDVRSRTSVQTEDDQLIAGQSARAIMAQLPQE QKAKIAEQVASFQEEKSKLDA
 EVSKWDDSGNDITVLAKQMCMIMMEMTDFTRGKGPLKNTSDVISA AKKIAEAGSRMDKLGRTIADHCPD
 S
 VCKQDLLAYLQRIALYCHQLNICKSVKAEVQNLGGELVVGVSAMSLIQA AKNLMNAV VQTVKASYVAS
 TKYQKSQGMASLNLPAVSWKMKAPKPLVKREKQDETQTKIKRASQKKHVNVPVQALSEFKAMDSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 100.6 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:	<u>NP_033948</u>
Locus ID:	12385
UniProt ID:	<u>P26231</u>
RefSeq Size:	3713
Cytogenetics:	18 18.89 cM
RefSeq ORF:	2718
Synonyms:	2010010M04Rik; AA517462; AI988031; Catna1
Summary:	Associates with the cytoplasmic domain of a variety of cadherins. The association of catenins to cadherins produces a complex which is linked to the actin filament network, and which seems to be of primary importance for cadherins cell-adhesion properties. Can associate with both E- and N-cadherins. Originally believed to be a stable component of E-cadherin/catenin adhesion complexes and to mediate the linkage of cadherins to the actin cytoskeleton at adherens junctions. In contrast, cortical actin was found to be much more dynamic than E-cadherin/catenin complexes and CTNNA1 was shown not to bind to F-actin when assembled in the complex suggesting a different linkage between actin and adherens junctions components. The homodimeric form may regulate actin filament assembly and inhibit actin branching by competing with the Arp2/3 complex for binding to actin filaments. May play a crucial role in cell differentiation.[UniProtKB/Swiss-Prot Function]