

Product datasheet for TP301766L

alpha 1 Catenin (CTNNA1) (NM_001903) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human catenin (cadherin-associated protein), alpha 1, 102kDa (CTNNA1), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC201766 protein sequence Red=Cloning site Green=Tags(s) |

MTAVHAGNINFKWDPKSLEIRTLAVERLLEPLVTQVTTLVNTNSKGPSNKKRGRSKKAHVLAASVEQATE
NFLEKGDKIAKESQFLKEELVAAVEDVRKQGDLMKAAAGEFADDPCSSVKRGNMVRARALLSAVTRLLI
LADMADVYKLLVQLKVVEDGILKLRNAGNEQDLGIQYKALKPEVDKLNIMAARQQELKDVGHDRDQMAAA
RGILQKNVPILYASQAQLQHPDVAAYKANRDLIYKQLQQAQVGTGISNAAQATASDDASQHQGGGGGELAY
ALNNFDKQIIVDPLSFSEERFRPSLEERLESIIISGAALMADSSCTRDDRERIVAECNAVRQALQDLLSE
YMGNAGRKERSDALNSAIDKMTKKTRDLRRQLRKAVMDHVSDSFLETNVPLLVIEAAKNGNEKEVKEYA
QVREHANKLIEVANLACISISNNEEGVKLVRMSASQLEALCPQVINAALALAAKPSKLAQENMDLFEQ
WEKQVRVLTDAVDDITSIDDFLAVSENHILEDVNKCVIALQEKDVDGLDRTAGAIRGRAARVIHVVTSEM
DNYEPGVYTEKVLKLLSNTVMPRFTEQVEAAVEALSSDPAQPMDEFIDASRLVYDGIIRDIAKAVL
MIRTPPELDDSDFETEDFDVRSRTSVQTEDDQLIAGQSARAIMAQLPQEQKAKIAEQVASFQEEKSKLDA
EVSKWDDSGNDIIVLAKQMCMIMMEMTDFTRGKGPLKNTSDVISAAKKIAEAGSRMDKLGRTIADHCPDS
ACKQDLLAYLQRIALYCHQLNICKSVKAEVQNLGGELVWVSGVDSAMSLIQAAKNLMNAVQTVKASYVAS
TKYQKSQGMASLNLPAVSWKMKAPEKKPLVKREKQDETQTKIKRASQKKHVNPVQALSEFKAMDSI

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 99.9 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 |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |



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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.

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_001894](#)

Locus ID: 1495

UniProt ID: [P35221](#), [A0A384MDY0](#)

RefSeq Size: 3791

Cytogenetics: 5q31.2

RefSeq ORF: 2718

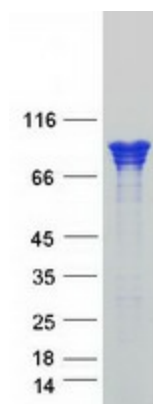
Synonyms: CAP102; MDPT2

Summary: This gene encodes a member of the catenin family of proteins that play an important role in cell adhesion process by connecting cadherins located on the plasma membrane to the actin filaments inside the cell. The encoded mechanosensing protein contains three vinculin homology domains and undergoes conformational changes in response to cytoskeletal tension, resulting in the reconfiguration of cadherin-actin filament connections. Certain mutations in this gene cause butterfly-shaped pigment dystrophy. [provided by RefSeq, May 2016]

Protein Families: Druggable Genome

Protein Pathways: Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Endometrial cancer, Leukocyte transendothelial migration, Pathways in cancer, Tight junction

Product images:



Coomassie blue staining of purified CTNNA1 protein (Cat# [TP301766]). The protein was produced from HEK293T cells transfected with CTNNA1 cDNA clone (Cat# [RC201766]) using MegaTran 2.0 (Cat# [TT210002]).