

Recombinant Full Length Human CTNNA1 Protein, C-Flag-tagged

Cat. No. CTNNA1-623HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CTNNA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	99.9 kDa
AA Sequence	MTAVHAGNINFKWDPKSLEIRTLAVERLLEPLVTQVTTLVNTNSKGPSNKKRGRSKK AHVLAASVEQATE NFLEKGDKIAKESQFLKEELVAAVEDVRKQGDLMKAAAGEFAD DPCSSVKRGNMVRAARALLSAVTRLLI LADMADVYKLLVQLKVVEDGILKLRNAGNE QDLGIQYKALKPEVDKLNIMAARKRQQLKDVGHRDQMAAA RGILQKNVPILYTASQA CLQHPDVAAYKANRDLIYKQLQQAVTGISNAAQATASDDASQHQGGGGGELAY AL

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NNFDKQIIVDPLSFSEERFRPSLEERLESIIISGAALMADSSCTRDDRRERIVAECNAV
 RQALQDLLSE YMGNAGRKERSDALNSAIDKMTKKTRDLRRQLRKAVMDHVSDFSFL
 ETNVPLLVLIEAAKNGNEKEVKEYA QVFREHANKLIEVANLACSSISNNEEGVKLVRM
 SASQLEALCPQVINAALALAAKPQSKLAQENMDLFKEQ WEKQVRVLTDAVDDITSID
 DFLAVSENHILEDVNKCVIALQEKDVDGLDRTAGAIRGRAARVIHVVTSEM DNYEPG
 VYTEKVLKATKLLSNTVMPRFTEQVEAAVEALSSDPAQPMDENEFIDASRLVYDGIR
 DIRKAVL MIRTPEELDDSDFFETEDFDVRSRTSVQTEDDQLIAGQSARAIMAQLPQEQ
 KAKIAEQVASFQEEKSKLDA EVSKWDDSGNDIIVLAKQMCMIMMEMTDFTRGKGPL
 KNTSDVISAACKIAEAGSRMDKLGRTIADHCPDS ACKQDLLAYLQRIALYCHQLNICS
 KVKAQVQNLGGELVSGVDSAMSLIQAANKLMNAVVTQTVKASYVAS TKYQKSQGM
 ASLNLPAVSWKMKAPKPLVKREKQDETQTKIKRASQKKHVNVPVQALSEFKAMDS
 ISGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Endometrial cancer, Leukocyte transendothelial migration, Pathways in cancer, Tight junction

Full Length Full L.

GENE INFORMATION

Gene Name CTNNA1 catenin alpha 1 [Homo sapiens (human)]

Official Symbol CTNNA1

Synonyms MDPT2; CAP102

Gene ID 1495

mRNA Refseq NM_001903.5

Protein Refseq NP_001894.2

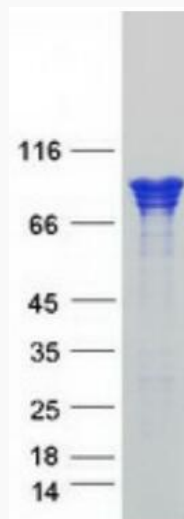
MIM 116805

UniProt ID P35221

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Coomassie blue staining of purified CTNNA1 protein.

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