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 QDLGIQYKALKPEVDKLNIMAAKRQQELKDVGHRDQMAAA RGILQKNVPILYTASQA CLQHPDVAAYKANRDLIYKQLQQAVTGISNAAQATASDDASQHQGGGGGELAY AL

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	NNFDKQIIVDPLSFSEERFRPSLEERLESIISGAALMADSSCTRDDRRERIVAECNAV RQALQDLLSE YMGNAGRKERSDALNSAIDKMTKKTRDLRRQLRKAVMDHVSDSFL ETNVPLLVLIEAAKNGNEKEVKEYA QVFREHANKLIEVANLACSISNNEEGVKLVRM SASQLEALCPQVINAALALAAKPQSKLAQENMDLFKEQ WEKQVRVLTDAVDDITSID DFLAVSENHILEDVNKCVIALQEKDVDGLDRTAGAIRGRAARVIHVVTSEM DNYEPG VYTEKVLEATKLLSNTVMPRFTEQVEAAVEALSSDPAQPMDENEFIDASRLVYDGIR DIRKAVL MIRTPEELDDSDFETEDFDVRSRTSVQTEDDQLIAGQSARAIMAQLPQEQ KAKIAEQVASFQEEKSKLDA EVSKWDDSGNDIIVLAKQMCMIMMEMTDFTRGKGPL KNTSDVISAAKKIAEAGSRMDKLGRTIADHCPDS ACKQDLLAYLQRIALYCHQLNICS KVKAEVQNLGGELVVSGVDSAMSLIQAAKNLMNAVVQTVKASYVAS TKYQKSQGM ASLNLPAVSWKMKAPEKKPLVKREKQDETQTKIKRASQKKHVNPVQALSEFKAMDS 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

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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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