

Recombinant Human CTNNA1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CTNNA1-126H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CTNNA1 MS Standard C13 and N15-labeled recombinant protein (NP_001894) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	100.1 kDa
AA Sequence	MTAVHAGNINFKWDPKSLEIRTLAVERLLEPLVTQVTTLVNTNSKGPSNKKRGRSKK AHVLAASVEQATENFLEKGDKIAKESQFLKEELVAAVEDVRKQGDLMKAAAGEFAD DPCSSVKRGNMVRARALLSAVTRLLILADMADVYKLLVQLKVVEDGILKLRNAGNE QDLGIQYKALKPEVDKLNIMAAKRQQELKDVGHRDQMAAARGILQKNVPILYTASQA CLQHPDVAAYKANRDLIYKQLQQA VTGISNAAQATASDDASQHQQGGGGGELAYALN NFDKQIIVDPLSFSEERFRPSLEERLESIIISGAALMADSSCTRDDRERIVAECNAVR

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QALQDLLSEYMGNAGRKERSDALNSAIDKMTKKTRDLRRQLRKAVMDHVSDSFLET
 NVPLLVLIEAAKNGNEKEVKEYAQVFREHANKLIEVANLACISNNEEGVKLVRMSAS
 QLEALCPQVINAALALAAKPQSKLAQENMDLFKEQWEKQVRVLTDAVDDITSIDDFL
 AVSENHILEDVNBKCVIALQEKDVDGLDRTAGAIRGRAARVIHVVTSEMDNYEPGVYT
 EKVLEATKLLSNTVMPRFTEQVEAAVEALSSDPAQPMDENEFIDASRLVYDGIRDIRK
 AVLMIPTPEELDDSDFFETEDFDVRSRTSVQTEDDQLIAGQSARAIMAQLPQEQKAKI
 AEQVASFQEEKSKLDAEVSKWDDSGNDIIVLAKQMCMIMMEMTDFTRGKGPLKNTS
 DVISAACKIAEAGSRMDKLGRTIADHCPDSACKQDLLAYLQRIALYCHQLNICKSVKA
 EVQNLGGELVSGVDSAMSLIAAKNLMNAVVTQVKASYVASTKYQKSQGMASLNL
 PAVSWKMKAPKKPLVKREKQDETQTKIKRASQKKHVNVPVQALSEFKAMDSISGPT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CTNNA1 catenin alpha 1 [Homo sapiens (human)]
Official Symbol	CTNNA1
Synonyms	CTNNA1; catenin alpha 1; CAP102; MDPT2; catenin alpha-1; alpha-E-catenin; catenin (cadherin-associated protein), alpha 1, 102kDa; epididymis secretory sperm

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binding protein; renal carcinoma antigen NY-REN-13

Gene ID 1495**mRNA Refseq** NM_001903**Protein Refseq** NP_001894**MIM** 116805**UniProt ID** P35221 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA