

Recombinant Human CTNNA1 Protein, GST-tagged

Cat. No. CTNNA1-2076H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CTNNA1 full-length ORF (AAH31262.1, 1 a.a. - 536 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, May 2016]
Molecular Mass	85.9 kDa
AA Sequence	MTKKTRDLRRQLRKAVMDHVSDSFLETNPVLLVLIEAAKNGNEKEVKEYAQVFREH ANKLIEVANLACISISNNEEGVKLV RMSASQLEALCPQVINAALALAAKPQSKLAQENM DLFKEQWEKQVRVLTDAVDDITSIDDFLAVSENHILEDVNKCVIALQEKDVDGLDRTA GAIRGRAARVIHVVTSEMDNYEPGVYTEKVL EATKLLSNTVM PRFTEQVEAAVEALS SDPAQPM DENEFIDASRLVYD GIRDIRKAVLMIRTPEELDDSD FETEDFDVRSRTSV QTEDDQLIAGQSARAIMAQLPQE QKAKIAEQVASFQEEKSKLDAEVSKWDDSGNDII VLAKQMCMIMMEMTDFTRGKGPLKNTSDVISA AKKIAEAGSRMDKLGRTIADHCPD

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SACKQDLLAYLQRIALYCHQLNICKSVKAEVQNLGGELVSGVDSAMSLIQAAKNLM
NAVVTQVKASYVASTKYQKSQGMASLNLPVSWKMKAPKKPLVKREKQDETQTKI
KRASQKKHVNVPVQALSEFKAMDSI

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CTNNA1 catenin (cadherin-associated protein), alpha 1, 102kDa [Homo sapiens]

Official Symbol

CTNNA1

Synonyms

CTNNA1; catenin (cadherin-associated protein), alpha 1, 102kDa; catenin (cadherin associated protein), alpha 1 (102kD); catenin alpha-1; CAP102; alpha-catenin; alphaE-catenin; alpha E-catenin; alpha-E-catenin; renal carcinoma antigen NY-REN-13; cadherin-associated protein,102kDa; FLJ36832; FLJ52416;

Gene ID

1495

mRNA Refseq

NM_001903

Protein Refseq

NP_001894

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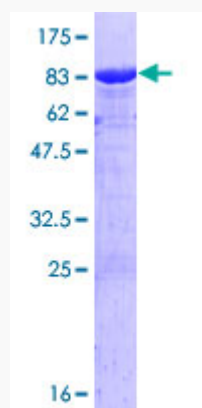
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MIM 116805

UniProt ID P35221

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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