

Recombinant Human CTTN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CTTN-6371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CTTN MS Standard C13 and N15-labeled recombinant protein (NP_612632) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is overexpressed in breast cancer and squamous cell carcinomas of the head and neck. The encoded protein is localized in the cytoplasm and in areas of the cell-substratum contacts. This gene has two roles: (1) regulating the interactions between components of adherens-type junctions and (2) organizing the cytoskeleton and cell adhesion structures of epithelia and carcinoma cells. During apoptosis, the encoded protein is degraded in a caspase-dependent manner. The aberrant regulation of this gene contributes to tumor cell invasion and metastasis. Three splice variants that encode different isoforms have been identified for this gene.
Molecular Mass	57.5 kDa
AA Sequence	MWKASAGHAVSIAQDDAGADDWETPDFVNDVSEKEQRWGAKTVQGSGHQEHIN IHKLRENVFQEHQTLKEKELETGPKASHGYGGKFGVEQDRMDKSAVGHEYQSKLS KHCSQVDSVRGFGGKFGVQMDRVDQSAVGFEYQGKTEKHASQKDYSSGFGGKY GVQADRVDKSAVGFDYQGKTEKHESQRDYSKGFGGKYGIDKDKVDKSAVGFEYQ GKTEKHESQKDYVKGFGGKFGVQTDQRQDKALGWDHQEKLQLHESQKDYSGFG

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GKYG VQKDRMDKNASTFEDVTQVSSAYQKTVPEAVTSKTSNIRANFENLAKEKEQ
EDRRKAEAEARAQRMAREKQEQEEARRKLEEQARAKTQTPPVSPAPQPTTEERLPSS
PVYEDAASFKAELSYRGPVSGTEPEPVYSMEAADYREASSQQGLAYATEAVYESAE
APGHYPAEDSTYDEYENDLGITAVALYDYQAAGDDEISFDPDDIITNIEMIDDGWWR
GVCKGRYGLFPANYVELRQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [CTTN cortactin \[Homo sapiens \(human\) \]](#)

Official Symbol [CTTN](#)

Synonyms CTTN; cortactin; EMS1, ems1 sequence (mammary tumor and squamous cell carcinoma associated (p80/85 src substrate); src substrate cortactin; amplexin; 1110020L01Rik; oncogene EMS1; ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80/85 src substrate); EMS1; FLJ34459;

Gene ID [2017](#)

mRNA Refseq [NM_138565](#)

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Protein Refseq NP_612632

MIM 164765

UniProt ID Q14247

SDS-PAGE



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