

Recombinant Human CTTN, MYC/DDK-tagged

Cat. No. CTTN-28H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTTN, transcript variant 2, fused with C-terminal MYC/DDK, 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	57.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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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
Gene ID	2017
mRNA Refseq	NM_138565
Protein Refseq	NP_612632
MIM	164765
UniProt ID	Q14247
Chromosome Location	11q13
Pathway	Bacterial invasion of epithelial cells; FGF signaling pathway; Pathogenic Escherichia coli infection
Function	protein binding

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