

Recombinant Human CTTN, GST-tagged

Cat. No. CTTN-27H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTTN (1 a.a. - 513 a.a.), fused with GST-tag at N-terminal, was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
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	83.9 kDa
AA Sequence	MWKASAGHAVSIAQDDAGADDWETDPDFVNDVSEKEQRWGAKTVQGSGHQEHIN IHKLRENVFQEHQTLKEKELE TGPKASHGYGGKFGVEQDRMDKSAVGHEYQSKLS KHCSQVDSVRGFGGKFGVQMDRVDQSAVGFEYQGKTEKHAS QKDYSSGFGGKY GVQADRVDKSAVGFDYQGKTEKHESQRDYSKGFGGKYGIDKDKVDKSAVGFEYQ GKTEKHESQ KDYVKGFGGKFGVQTDQRQDKCALGWDHQEKLQLHESQKDYSKGF GGKYGVQKDRMDKNASTFEDVTQVSSAYQKT VPVEAVTSKTSNIRANFENLAKEK

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EQEDRRKAEAERAQRMAREQEEARRKLEEQARAKTQTPPVSPAPQPTE ERL
PSSPVYEDAASFKAELSYRGPVSGTEPEPVYSMEAADYREASSQQGLAYATEAVYE
SAEAPGHYPAEDSTYD EYENDLGITAVALYDYQAAGDDEISFDPDDIITNIEMIDGW
WRGVCKGRYGLFPANYVELRQ

Applications ELISA; WB-Re; AP; Array

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

Storage Store at -80°C. 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 [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

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Chromosome Location	11q13
Pathway	Bacterial invasion of epithelial cells; FGF signaling pathway; Pathogenic Escherichia coli infection
Function	protein binding

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