

## Recombinant Human CTTN cell lysate

Cat. No. CTTN-421HCL Lot. No. (See product label)

### SPECIFICATION

|                       |  |
|-----------------------|--|
| <b>Species</b>        | Human  |
| <b>Description</b>    | 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. Two splice variants that encode different isoforms have been identified for this gene. |
| <b>Size</b>           | 100 ul   |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)  |
| <b>Applications</b>   | Western Blot;  |

### GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | CTTN cortactin [ Homo sapiens ]                                       |
| <b>Official Symbol</b> | CTTN  |
| <b>Synonyms</b>        | CTTN; cortactin; EMS1, ems1 sequence (mammary tumor and squamous cell |

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

**Gene ID** [2017](#)

**mRNA Refseq** [NM\\_001184740](#)

**Protein Refseq** [NP\\_001171669](#)

**MIM** [164765](#)

**UniProt ID** [Q14247](#)

**Chromosome Location** 11q13

**Pathway** Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; E-cadherin signaling in the nascent adherens junction, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem; N-cadherin signaling events, organism-specific biosystem; Pathogenic Escherichia coli infection, organism-specific biosystem; Pathogenic Escherichia coli infection, conserved biosystem;

**Function** protein binding;

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