OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC223259L1V

Cortactin (CTTN) (NM_005231) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cortactin (CTTN) (NM_005231) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cortactin
Synonyms:	EMS1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005231
ORF Size:	1650 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223259).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005231.2
RefSeq Size:	3243 bp
RefSeq ORF:	1653 bp
Locus ID:	2017
UniProt ID:	Q14247
Cytogenetics:	11q13.3
Domains:	SH3, HS1_rep
Protein Families:	Druggable Genome

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Protein Pathways: Pathogenic Escherichia coli infection, Tight junction

MW: 61.4 kDa

Gene Summary: 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. [provided by RefSeq, May 2010]