

## Product datasheet for TP301111M

### Cortactin (CTTN) (NM\_138565) Human Recombinant Protein

#### Product data:

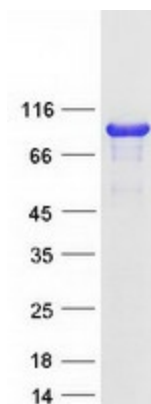
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human cortactin (CTTN), transcript variant 2, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC201111 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MWKASAGHAVSIAQDDAGADDWETDPDFVNDVSEKEQRWGAKTVQGGSGHQEHINIHKLRENVFQEHQTLK EKELETGPKASHGYGGKFGVEQDRMDKSAVGHHEYQSKLSKHCSQVDSVRGFGGKFGVQMDRVDQSAVGFE YQGKTEKHASQKDYSSGFGGKYGVQADRVDKSAVGFQYQKTEKHESQRDYSKFGGKYGIDKDKVDKSA VGFQYQKTEKHESQKDYVKGFGGKFGVQTDQRQDKALGWDHQEKLQLHESQKDYSGFGGKYGVQKDRM DKNASTFEDVTQVSSAYQKTPVEAVTSKTSNIRANFENLAKEKEQEDRRKAEAEARAQRMAREQEEEA RRKLEEQARAKTQTPPVSPAPQTEERLPSSPVYEDAASFKAELSYRGPVSGTEPEPVYSMEAADYREAS SQQGLAYATEAVYESAEAPGHYPAEDSTYDEYENDLGITAVALYDYQAAGDDEISFDPDDIITNIEMIDD GWWRGVCKGRYGLFPANYVELRQ
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	57.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Bioactivity:</b>	ELISA capture for autoantibodies (PMID: <a href="#">27379450</a> ) ELISA capture for autoantibodies (PMID: <a href="#">29068555</a> )
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_612632</a>
<b>Locus ID:</b>	2017
<b>UniProt ID:</b>	<a href="#">Q14247</a> , <a href="#">Q53HG7</a> , <a href="#">A0A024R5M3</a> , <a href="#">Q8N707</a>
<b>RefSeq Size:</b>	3208
<b>Cytogenetics:</b>	11q13.3
<b>RefSeq ORF:</b>	1539
<b>Synonyms:</b>	EMS1
<b>Summary:</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. Three splice variants that encode different isoforms have been identified for this gene. [provided by RefSeq, May 2010]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Pathogenic Escherichia coli infection, Tight junction

### Product images:



Coomassie blue staining of purified CTTN protein (Cat# [TP301111]). The protein was produced from HEK293T cells transfected with CTTN cDNA clone (Cat# [RC201111]) using MegaTran 2.0 (Cat# [TT210002]).