

## Product datasheet for **TP313864M**

### ERC1 (NM\_178040) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens ELKS/RAB6-interacting/CAST family member 1 (ERC1), transcript variant epsilon, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213864 representing NM_178040 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MYGSARSVGKVEPSSQSPGRSPRLPRSPRLGHRRTNSTGGSSGSSVGGGSGKTLSMENIQSLNAAAYATSG  
 PMYLSDHENVGSETPKSTMTLGRSGRLPYGVRMTAMGSSPNIASSGVASDTIAFGEHLLPPVSMASVTP  
 HSLRQARDNTIMDLQTQLKEVLRENDLLRKDVEVKESKLSMNSIKTFWSPCLKKERALRKDEASKITI  
 WKEQYRVVQEQENQHMQMTIQALQDELRIQRDLNQLFQQDSSSRTGEPVAVELTEENFQRLHAEHERQAKE  
 LFLLRKTL EEMELRIETQKQTLNARDESIIKLEMLQSKGLSAKATEEDHERTRRLAEAEHVVHLESLL  
 EQKEKENSMLREEMHRRFENAPDSAKTKALQTVIEMKDSKISSMERGLRDLEEEIQMLKSNGALSTEERE  
 EEMKQMEVYRSHSKFMKNKVEQLKEELSSKEAQWHEELKKAAGLQAEIGQVKQELSRKDTELLALQTKLE  
 TLTNQFSDSKQHIEVLKESLTAKEQRAAILQTEVDALRLRLEEKETMLNKKTKQIQDMAEEKGTQAGEIH  
 DLKDMLDVKERKVNVLQKKIENLQEQLRDKEKQMSLKERVKSLQADTTNTDALTTLLEALAEKERTIE  
 RLKEQRDRDEREKQEEIDNYKKDLKDLKEKVSLLQGDSEKEASLLDLKEHASSLASSGLKKDSRLKTL  
 IALEQKKEECLKMESQLKKAHEAALEARASPEMSDRIQHLEIREITRYKDESSKAQAEVDRLLLEILKEVEN  
 EKNDKDKKIAELERQVKDQNKVANLKHKEQVEKKSAQMLEEARRREDNLNDSSQQLQDSLRLKDDRIE  
 ELEEALRESVQITAEREMVLAQEEASARTNAEKQVEELMAMEKVKQELESMKAKLSSTQQSLAEKETHLT  
 NLRAERRKHLEEVLEMKQEALLAAISEKDANIALLELSSSKKTQEEVAALKREKDRLVQQLKQQTQNRM  
 KLMADNYEDDHFSSHSNQTNHKPSDQIIQPLLELDQNRSLKLYIGHLTTLCHDRDPLILRGLTPPAS  
 YNLDDDQAAWENELQKMRGQLQDELEKGERDNAELQEFANAILQQIADHCPDILEQVWNALEESS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

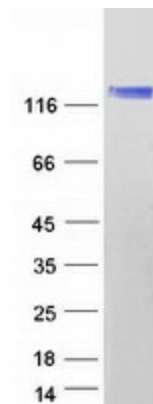
Tag:	C-Myc/DDK
Predicted MW:	127.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<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.
<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_829884</a>
<b>Locus ID:</b>	23085
<b>UniProt ID:</b>	<a href="#">Q8IUD2</a>
<b>RefSeq Size:</b>	6893
<b>Cytogenetics:</b>	12p13.33
<b>RefSeq ORF:</b>	3348
<b>Synonyms:</b>	Cast2; ELKS; ERC-1; RAB6IP2
<b>Summary:</b>	The protein encoded by this gene is a member of a family of RIM-binding proteins. RIMs are active zone proteins that regulate neurotransmitter release. This gene has been found fused to the receptor-type tyrosine kinase gene RET by gene rearrangement due to the translocation t(10;12)(q11;p13) in thyroid papillary carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified ERC1 protein (Cat# [TP313864]). The protein was produced from HEK293T cells transfected with ERC1 cDNA clone (Cat# [RC213864]) using MegaTran 2.0 (Cat# [TT210002]).