

Product datasheet for **TP313864**

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213864 representing NM_178040 Red =Cloning site Green =Tags(s)

MYGSARSVGKVEPSSQSPGRSPRLPRSPRLGHRRTNSTGGSSGSSVGGGSGKTLSMENIQSLNAAAYATSG
PMYLSDHENVGSETPKSTMTLGRSGRLPYGVRMTAMGSSPNIASSGVASDTIAFGEHLLPPVSMASVTP
HSLRQARDNTIMDLQTQLKEVLRENDLLRKDVEVKESKLSMNSIKTFWSPCLKKERALRKDEASKITI
WKEQYRVVQEQNHMQMTIQALQDELRIQRDLNQLFQQDSSSRTGEPVAVELTEENFQRLHAEHERQAKE
LFLLRKTL EEMELRIETQKQTLNARDESIKKLEMLQSKGLSAKATEEDHERTRRLAEAEHVVHLESLL
EQKEKENSMLREEMHRRFENAPDSA KTKALQTVIEMKDSKISSMERGLRDLEEEIQMLKSNGALSTEERE
EEMKQMEVYRSHSKFMKNKVEQLKEELSSKEAQWHEELKKAAGLQAEIGQVKQELSRKDTELLALQTKLE
TLTNQFSDSKQHIEVLKESLTAKEQRAAILQTEVDALRLRLEEKETMLNKKTKQIQDMAEEKGTQAGEIH
DLKDMLDVKERKVNVLQKKIENLQEQLRDKEKQMSLKERVKSLQADTTNTDALTTLLEALAEKERTIE
RLKEQRDRDEREKQEEIDNYKKDLKDLKEKVSLLQGDSEKEASLLDLKEHASSLSSGLKKSRLKTLK
IALEQKKEECLKMESQLKKAHEAALEARASPEMSDRIQHLEIREITRYKDESSKAQAEVDRLLLEILKEVEN
EKNDKDKKIAELERQVKDQNKVANLKHKEQVEKKKSAQMLEEARRREDNLNDSSQQLQDSLRRKDDRIE
ELLEEALRESVQITAEREMVLAQEE SARTNAEKQVEELMAMEKVKQELESMKAKLSSTQQSLAEKETHLT
NLRAERRKHLEEVLEMKQEALLAAISEKDANIALLELSSSKKTQEEVAALKREKDRLVQQLKQQTQNRM
KLMADNYEDDHFSSHSNQTNHKPSPDQIIQPLLELDQNRSLKLYIGHLTLLCHDRDPLILRGLTPPAS
YNLDDDQA AWENELQKMRGQLQDELEKGERDNAELQEFANAILQQIADHCPDILEQVWNALEESS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

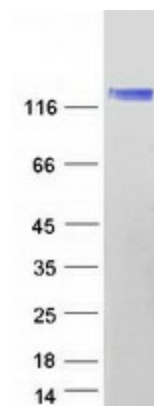
Tag:	C-Myc/DDK
Predicted MW:	127.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_829884
Locus ID:	23085
UniProt ID:	Q8IUD2
RefSeq Size:	6893
Cytogenetics:	12p13.33
RefSeq ORF:	3348
Synonyms:	Cast2; ELKS; ERC-1; RAB6IP2
Summary:	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]
Protein Families:	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]).