

Recombinant Full Length Human ERC1 Protein, C-Flag-tagged

Cat. No. ERC1-806HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ERC1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	127.9 kDa
AA Sequence	MYGSARSVGKVEPSSQSPGRSPRLPRSPRLGHRRTNSTGGSSGSSVGGGSGKTL SMENIQSLNAAAYATSG PMYLSDHENVGSETPKSTMTLGRSGGRLPYGVRMTAMGS SPNIASSGVASDTIAFGEHHLPPVSMASVTP HSLRQARDNTIMDLQTQLKEVLREND LLRKDVEVKESKLSSSMNSIKTFWSPELKKERALRKDEASKITI WKEQYRVVQEENQ HMQMTIQALQDELRIQRDLNQLFQQDSSSRTGEPVCAELTEENFQRLHAEHERQAK E LFLLRKLTLEEMELRIETQKQTLNARDESIKKLLEMLQSKGLSAKATEEDHERTRRLA EAEMHVHHLESLL EQKEKENSMLREEMHRRFENAPDSAKTKALQTVIEMKDSKISS MERGLRDLEEEIQMLKSNLALSTEERE EEMKQMEVYRSHSKFMKNKVEQLKEELS

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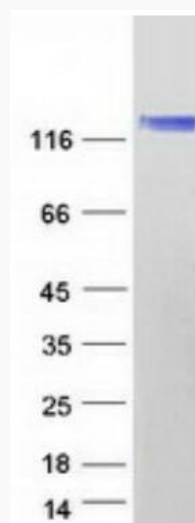
 45-1 Ramsey Road, Shirley, NY 11967, USA

SKEAQWEELKKKAAGLQAEIGQVKQELSRKDTELLALQTKLE TLTNQFSDSKQHIEV
 LKESLTAKEQRAAILQTEVDALRLRLEEKETMLNKKTKQIQDMAEEKGTQAGEIH DL
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 EALAEKERTIE RLKEQRDRDEREKQEEIDNYKKDLKDLKEKVSLQGDSEKEASLL
 DLKEHASSGLKKDSRLKLE IALEQKKEECLKMESQLKKAHEAALEARASPEM
 SDRIQHLEREITRYKDESSKAQAEVDRLLLEILKEVEN EKNDKDKKIAELERQVKDQN
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 RESVQITAEREMVLAQEESARTNAEKQVEELLMAMEKVKQELESMAKLSSTQQSL
 AEKETHLT NLRAERRKHLEEVLEMKQEALLAAISEKDANIALLELSSSKKKTQEEVAA
 LKREKDRLVQQLKQQTQNRM KLMADNYEDDHFSSSHSNQTNHKPSPDQIIQPLLEL
 DQNRSLKLYIGHLTTLCHDRDPLILRGLTPPAS YNLDDDQAAWENELQKMTRGQL
 QDELEKGERDNAELQEFANAILQQIADHCPDILEQVVNALEESSTRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	ERC1 ELKS/RAB6-interacting/CAST family member 1 [Homo sapiens (human)]
Official Symbol	ERC1
Synonyms	ELKS; Cast2; ERC-1; RAB6IP2
Gene ID	23085
mRNA Refseq	NM_178040.4
Protein Refseq	NP_829884.1
MIM	607127
UniProt ID	Q8IUD2



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Coomassie blue staining of purified ERC1 protein.

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