

Recombinant Human ERC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ERC1-4087H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ERC1 MS Standard C13 and N15-labeled recombinant protein (NP_829884) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	127.9 kDa
AA Sequence	MYGSARSVGKVEPSSQSPGRSPRLPRSPRLGHRRTNSTGGSSGSSVGGGSGKTL SMENIQSLNAAAYATSGPMYLSDHENVGSETPKSTMTLGRSGGRLPYGVRMTAMGS SPNIASSGVASDTIAFGEHHLPPVSMAS TVPHSLRQARDNTIMDLQTQLKEVLREND LLRKDVEVKESKLSSSMNSIKTFWSPELKKERALRKDEASKITIWKEQYRVVQEEHQ HMQMTIQALQDELRIQRDLNQLFQQDSSSRTGEP CVAELTEENFQRLHAEHERQAK ELFLLRKTLEEMELRIETQKQTLNARDESIKKLLEMLQSKGLSAKATEEDHERTRRLA EAEMHVHHLESLLQKEKENSMLREEMHRRFENAPDSAKTKALQTVIEMKDSKISS MERGLRDLEEEIQMLKSNLALSTEEREEEMKQMEVYRSHSKFMKNKVEQLKEELSS

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KEAQWEELKKKAAGLQAEIGQVKQELSRKDTELLALQTKLETLTNQFSDSKQHIEVL
 KESLTAKEQRAAILQTEVDALRLRLEEKETMLNKKTKQIQDMAEEKGTQAGEIHDLL
 DMLDVKERKVVNLQKKIENLQEQLRDKEKQMSSLKERVKSLQADTTNTDTALTLEE
 ALAEKERTIERLKEQRDRDEREKQEEIDNYKKDLKDLKEKVSLLQGDLEKEASLLDL
 KEHASSLASSGLKKDSRLKTLEIALEQKKEECKMESQLKKAHEAALEARASPEMSD
 RIQHLEREITRYKDESSKAQAEVDRLLEILKEVENEKNDKDKKIAELERQVKDQNKKV
 ANLKHKEQVEKKKSAQMLEEARRREDNLNDSSQQLQDSLRRKKDDRIEELEEALRES
 VQITAEREMVLAQEEASARTNAEKQVEELLMAMEKVKQELESMKAKLSSTQQSLAEK
 ETHLTNLRAERRKHLEEVLEMKQEALLAAISEKDANIALLELSSSKKKTQEEVAALKR
 EKDRLVQQLKQQTQNRMKLMADNYEDDHFSSSNQTNHKPSPDQIIQPLLELDQN
 RSKLKLYIGHLTTLCHDRDPLILRGLTPPASYNLDDDQAAWENELQKMTRGQLQDEL
 EKGERDNAELQEFANAILQQIADHCPDILEQVVNALEESSTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ERC1 ELKS/RAB6-interacting/CAST family member 1 [Homo sapiens (human)]

Official Symbol ERC1

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Synonyms	ERC1; ELKS/RAB6-interacting/CAST family member 1; RAB6 interacting protein 2, RAB6IP2; ELKS/Rab6-interacting/CAST family member 1; CAST2; ELKS; KIAA1081; MGC12974; RAB6 interacting protein 2; Rab6-interacting protein 2; Cast2; RAB6IP2; FLJ31750;
Gene ID	23085
mRNA Refseq	NM_178040
Protein Refseq	NP_829884
MIM	607127
UniProt ID	Q8IUD2
SDS-PAGE	