

Recombinant Human ERC1, His-tagged

Cat. No. ERC1-12519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERC1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-132a.a.
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). Multiple transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	ERC1 ELKS/RAB6-interacting/CAST family member 1 [Homo sapiens]
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Official Symbol	ERC1
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_178039
Protein Refseq	NP_829883
MIM	607127
UniProt ID	Q8IUD2
Chromosome Location	12p13.3
Pathway	Canonical NF-kappaB pathway, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem;
Function	PDZ domain binding; Rab GTPase binding; leucine zipper domain binding; protein binding;