

Product datasheet for PH313864

ERC1 (NM_178040) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ERC1 MS Standard C13 and N15-labeled recombinant protein (NP_829884)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213864
Predicted MW:	127.9 kDa
Protein Sequence:	>RC213864 representing NM_178040 Red=Cloning site Green=Tags(s)

MYGSARSVGKVEPSSQSPGRSPRLPRSPRLGHRRTNSTGGSSGSSVGGGSGKTL SMENIQSLNAAAYATSG
PMYLSDHENVGSETPKSTMTLGRSGRLLPYGVRMTAMGSSPNIASSGVASDTIAFGEHLLPPVSMSTVP
HSLRQARDNTIMDLQTQLKEVLRENDLLRKDVVEKESKLSMNSIKTFWSPELKKERALRKDEASKITI
WKEQYRVVQEEHQMQMTIQALQDELRIQRDLNQLFQQDSSRTGEPVAVELTEENFQRLHAEHERQAKE
LFLLRKTL EEMELRIETQKQTLNARDES IKKLL EMLQSKGL SAKATEEDHERTRRLAEAE MHVHLESLL
EQKEKENSMLREEMHRRFENAPDSAKTKALQTVIEMKDSKISSMERGLRDLEEEIQMLKSNALSTEERE
EEMKQMEVYRSHSKFMKNKVEQLKEELSSKEAQWEELKKAAGLQAEIGQVKQELSRKDTPELLALQTKLE
TLTNQFSDSKQHIEVLKESLTAKEQRAAILQTEVDALRLRLEEKETMLNKKTKQIQDMAEEKGTQAGEIH
DLKMDLDVKERKVNVLQKKIENLQEQLRDKEKQMSLKERVKSLQADTTNTDTALTTLEEALAEKERTIE
RLKEQRDRDEREKQEEIDNYKDKLDLKEKVSLLQGD LSEKEASLLDLKEHASSLASSGLKKDSRLKTL E
IALEQKKEECLKMSQLKKAHEAALEARASPEMSDRIQHLEIREITRYKDESSKAQAEVDRLEILKEVEN
EKNDKDKKIAELERQVKDQNKVANLKHKEQVEKKSAQMLEEARREDNLNDSSQQLQDSL RKKDDRIE
ELEALRESVQITAEREMVLAQEE SARTNAEKQVEELLMAMEKVKQELESMKAKL SSTQQSLAEKETHLT
NLAERRKHLEEVLEMKQEALLAAISEKDANILALLELSSSKKKTQEEVAALKREKDRLVQQLKQQTQNR
KLMADNYEDDFKSSHSNQTNHKPSPDQIIQPLLELDQNRSKLKYIGHLTTLCHDRDPLILRGLTPPAS
YNLDDDDQAAWENELQKMTRGQLQDELEKGERDNAELQEFANAILQQIADHCPDILEQVVNALEESS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

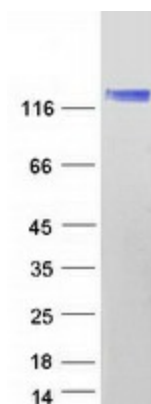
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



[View online »](#)

Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_829884
RefSeq Size:	6893
RefSeq ORF:	3348
Synonyms:	Cast2; ELKS; ERC-1; RAB6IP2
Locus ID:	23085
UniProt ID:	Q8IUD2
Cytogenetics:	12p13.33
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]).