

Datasheet for ABIN7564135
ERC2 Protein (AA 1-957) (His tag)



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Overview

Quantity:	1 mg
Target:	ERC2
Protein Characteristics:	AA 1-957
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERC2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Erc2 Protein expressed in mammalian cells.
Sequence:	MYGSARTISN LEGSPRSRSPR LPRSPRLGHR RTSSGGGGGT GKTLSMENIQ SLNAAAYATSG PMYLSDHEGV ASTTYPKGTM TLGRATNRAV YGGRVTAMGS SPNIASAGLS HTDVLSYTDQ HGGLSGSSH HHHQVPSMLR QVRDSTMLDL QAQLKELQRE NDLLRKELDI KDSKLGSSMN SIKTFWSPPEL KKERVLRKEE AARMSVLKEQ MRVSHEENQH LQLTIQALQD ELRTQRDLNH LLQQESGNRG AEHFTIELTE ENFRRLQAEH DRQAKELFLL RKTLEEMELR IETQKQTLNA RDESIKKLLE MLQSKGLPSK SLEDDNERTR RMAEAESQVS HLEVILDQKE KENIHLREEL HRRSQLQPEP AKTKALQTVI EMKDTKIASL ERNIRDLEDE VQMLKANGVL NTEEDREEEIK QIEVYKSHSK FMKTKIDQLK QELSKKESEL LALQTKLETL SNQNSDCKQH IEVLKESLTA KEQRAAILQT EVDALRLRLE EKESFLNKKT KQLQDLTEEK GTLAGEIRDM KDMLEVKERK INVLQKKIEN LQEQLRDKDK QLTNLKDRVK SLQTDSSNTD TALATLEEAL SEKERIIERL KEQRERDDRE RLEEIESFRK ENKDLKEKVN ALQAELTEKE SSLIDLKEHA SSLASAGLKR DSKLSLEIA IEQKKEECNK LEAQLKKAHN IEDDSRMNPE FADRLKQLDK EASYRDECG

Product Details

KAQAEVDRLLEILKEVENEKNDKDKKIAELESLTLRHMKDQNKKVANLKYNQQLEKKNNA
QLLEEVRRREDSMVDNSQHLQIEELMNALEKTRQELDATKARLASTQQSLAEKEAHLANL
RIERRKQLEEILEMKQEALLAAISEKDANIALLELSASKKKTQEEVMALKREKDRLVHQ
LKQQTQNRMKLMADNYDEDHHYHHHHHHHHHRSPGRSQHSNHRPSPDQDDEGIWA

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ERC2

Alternative Name: Erc2 ([ERC2 Products](#))

Background: ERC protein 2 (CAZ-associated structural protein 1) (CAST1),FUNCTION: Thought to be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release. Seems to act together with BSN. May recruit liprin-alpha proteins to the CAZ.

Target Details

Molecular Weight: 110.6 kDa

UniProt: [Q6PH08](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months