ERC Protein 2 (ERC2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	ERC protein 2 (Erc2), Recombinant Protein
Full Product Name	Recombinant Mouse ERC protein 2 (Erc2) , partial
Product Gene Name	Erc2 recombinant protein
Product Synonym Gene Name	Erc2
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	59,709 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6PH08
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Erc2 recombinant protein	MBS1421605 is a recombinant protein targeting Erc2. Also known as Recombinant Mouse ERC protein 2 (Erc2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Erc2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Erc2. It may not necessarily be applicable to this product.

NCBI GI #	37360977
NCBI GeneID	238988
NCBI Accession #	NP_808482.2
UniProt Primary Accession #	Q6PH08
UniProt Secondary Accession #	Q80U20; Q8CCP1
UniProt Related Accession #	Q6PH08
GenBank Nucleotide #	NM_177814.5
NCBI Official Full Name	ERC protein 2 isoform 1
NCBI Official Synonym Full Names	ELKS/RAB6-interacting/CAST family member 2

NCBI Official Symbol	Erc2
NCBI Official Synonym Symbols	CAST; 6430531D06; CAST1/ERC2; ELKS2alpha; D14Ertd171e
UniProt Protein Name	ERC protein 2
UniProt Synonym Protein Names	CAZ-associated structural protein 1; CAST1
Protein Family	ERC protein
UniProt Gene Name	Erc2
UniProt Synonym Gene Names	Cast1; D14Ertd171e; Kiaa0378; CAST1
NCBI Protein Information	ERC protein 2
UniProt Comments for Erc2	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.
Research Articles on Erc2	**1.** CAST (cytomatrix at the active zone structural protein) playes pivotal roles in both presynaptic regulation of quantal size and recycling of endocytosed synaptic vesicles.
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