Protein EFR3 Homolog A (EFR3A) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein EFR3 homolog A (Efr3a), Recombinant Protein
Full Product Name	Recombinant Mouse Protein EFR3 homolog A (Efr3a) , partial
Product Gene Name	Efr3a recombinant protein
Product Synonym Gene Name	Efr3a
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	93,290 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 Q8BG67
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Efr3a recombinant protein	MBS1310753 is a recombinant protein targeting Efr3a. Also known as Recombinant Mouse Protein EFR3 homolog A (Efr3a) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Efr3a 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 Efr3a. It may not necessarily be applicable to this product.

NCBI GI #	54020730
NCBI GeneID	76740
NCBI Accession #	NP_598527.2
UniProt Primary Accession #	Q8BG67
UniProt Secondary Accession #	Q6ZQI4; Q8BXQ7; Q8C0Q0; Q922I2
UniProt Related Accession #	Q8BG67
GenBank Nucleotide #	NM_133766.4
NCBI Official Full Name	protein EFR3 homolog A isoform 1
NCBI Official Synonym Full Names	EFR3 homolog A

NCBI Official Symbol	Efr3a
NCBI Official Synonym Symbols	C76891; BB071175; mKIAA0143; A130089M23Rik; C920006C10Rik; D030063F01Rik
UniProt Protein Name	Protein EFR3 homolog A
UniProt Synonym Protein Names	Protein EFR3-like
Protein Family	Protein
UniProt Gene Name	Efr3a
NCBI Protein Information	protein EFR3 homolog A
UniProt Comments for Efr3a	Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane. The complex acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns4P) synthesis. In the complex, EFR3A probably acts as the membrane-anchoring component. Also involved in responsiveness to G-protein-coupled receptors; it is however unclear whether this role is direct or indirect.
Research Articles on Efr3a	**1.** that brain-specific deletion of Efr3a could promote adult hippocampal neurogenesis, presumably by upregulating the expression of BDNF and its receptor
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