Raftlin (RFTN1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Raftlin (Rftn1), Recombinant Protein
Full Product Name	Recombinant Mouse Raftlin (Rftn1)
Product Gene Name	Rftn1 recombinant protein
Product Synonym Gene Name	Rftn1
Sequence	GCSLNKLEKR EEKRPGNIYS TLKRPQVETK VDVTYEYCFL EFTTLTAAEL PRSSATRLAS LRDLPDQLLE LYQQGFSLAA LHPFVQPTRR QEKILLEHIF RAILVKKTNR SQKAELHDEG YTLELDYCSS LEHLADQKLI PEFIKKVQEA ASQGLKFVSV VPQYQPSVSS AGSRRLKPVA NSVEDARDVK CTLGDRSSLE NDTPKAAETD AATAGVNRRP ETKPGSTGDV PSAQQPGIPS PSAENEAGEF PLRGLQPALD RSEGDPSNGP EELPSRKMEI FAFFNRPKSQ QKCRQYYPVT IPLQVSKNGQ TVSSLDASWL EHMSDHFRKG GVLVNAVFQL GMANDSFYGL TDGVFIFEAV STEDNRTTQG YDAIVVEQWT VLEGTEVQTD YMPLLNSLAA YGWQLTCVLP TPILKTTREG NVSTKQIVFL QRPCLPQKTK KRESKFQWRF SRNEIHGRQT RKSKGKLSAS NKQQAEENEK NLEDQFSKAG DVGNCVLGAP QWGRASEVRE QRQGSAAVQN GPAGHNRDSV ALRHSNPRAE AELAAGPTPT EAN
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	61,537 Da
Sequence Positions	2-554, Full length protein
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 Q6A0D4
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Rftn1 recombinant protein	MBS1420523 is a recombinant protein targeting Rftn1. Also known as Recombinant Mouse Raftlin (Rftn1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Rftn1 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 Rftn1. It may not necessarily be applicable to this product.

NCBI GI #	33859813
NCBI GeneID	76438
NCBI Accession #	NP_852062.1

UniProt Primary Accession #	Q6A0D4
UniProt Secondary Accession #	Q3U654; Q3U8P6; Q80US1
UniProt Related Accession #	Q6A0D4
GenBank Nucleotide #	NM_181397.2
NCBI Official Full Name	raftlin
NCBI Official Synonym Full Names	raftlin lipid raft linker 1
NCBI Official Symbol	Rftn1
NCBI Official Synonym Symbols	AI853526; 2310015N21Rik
UniProt Protein Name	Raftlin
UniProt Synonym Protein Names	Raft-linking protein
Protein Family	Raftlin
UniProt Gene Name	Rftn1
UniProt Synonym Gene Names	Kiaa0084
NCBI Protein Information	raftlin
UniProt Comments for Rftn1	Involved in protein trafficking via association with clathrin and AP2 complex (). Upon bacterial lipopolysaccharide stimulation, mediates internalization of TLR4 to endosomes in dendritic cells and macrophages, and internalization of poly(I:C) to TLR3-positive endosomes in myeloid dendritic cells and epithelial cells; resulting in activation of TICAM1-mediated signaling and subsequent IFNB1 production (PubMed:27022195). Involved in T-cell antigen receptor-mediated signaling by regulating tyrosine kinase LCK localization, T-cell dependent antibody production and cytokine secretion (PubMed:19414744). May regulate B-cell antigen receptor-mediated signaling (). May play a pivotal role in the formation and/or maintenance of lipid rafts ().
Research Articles on Rftn1	**1.** this study shows that raftlin appears to modulate cargo selection as an accessary protein of clathrin-associated adaptor protein-2 in clathrin-mediated endocytosis of TLR3/4 ligands
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/raftlin-rftn1/1420523