Fasciculation and Elongation Protein Zeta-2 (FEZ2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fasciculation and elongation protein zeta-2 (Fez2), Recombinant Protein
Full Product Name	Recombinant Mouse Fasciculation and elongation protein zeta-2 (Fez2)
Product Gene Name	Fez2 recombinant protein
Product Synonym Gene Name	Fez2
Sequence	MAADGDWQDF YEFQEPAGSV QEQENCNASP EAGAGAHAGG DSFPALASSL EEKLSLCFRP TSEAEPPRAA VRPITECSLL QGDEIWNALT DNYGNVMPVD WKSSHTRTLH LLTLNLSEKG MNDGLLFDAS DEEELREQLD MHSIIVSCVN EEPLFTADQV IEEIEEMMQE SPDPEDDETP TQSDRLSMLS QEIQTLKRSS MSSYEERVKR LSVSELNELL EEIEAAIKQY SEELVQQLAL RDELEFEKEV ENSFISALIE VQNKQKEHKE TAKKKKKLKS GSSQNGRSER SHMPGTYLTT VIPYEKKSGP PSVEDLQILT KILHAMKEDS EKVPSLLTDY ILKVLCPT
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	39,101 Da
Sequence Positions	1-348aa; 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 Q6TYB5
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Fez2 recombinant protein	This gene is an ortholog of the C. elegans unc-76 gene, which is necessary for normal axonal bundling and elongation within axon bundles. Other orthologs include the rat gene that encodes zygin II, which can bind to synaptotagmin.
Other Notes	Small volumes of Fez2 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.
Searchable Terms for Fez2 purchase	MBS1480801 is a recombinant protein targeting Fez2. Also known as Recombinant Mouse Fasciculation and elongation protein zeta-2 (Fez2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Fez2. It may not necessarily be applicable to this product.

NCBI GI #	40789098
NCBI GeneID	225020
NCBI Accession #	NP_955519.1

UniProt Primary Accession #	Q6TYB5
UniProt Related Accession #	Q6TYB5
GenBank Nucleotide #	NM_199448.3
NCBI Official Full Name	fasciculation and elongation protein zeta-2 isoform 2
NCBI Official Synonym Full Names	fasciculation and elongation protein zeta 2 (zygin II)
NCBI Official Symbol	Fez2
NCBI Official Synonym Symbols	9030616F16; D17Ertd315e
UniProt Protein Name	Fasciculation and elongation protein zeta-2
UniProt Synonym Protein Names	Zygin II; Zygin-2
Protein Family	Fasciculation and elongation protein
UniProt Gene Name	Fez2
NCBI Protein Information	fasciculation and elongation protein zeta-2
UniProt Comments for Fez2	Involved in axonal outgrowth and fasciculation.
Research Articles on Fez2	**1.** FEZ2 plays an important role in the morphological changes of various cells by associating with PKCzeta in a tissue-non-specific manner
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.
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