Testis-Expressed Sequence 11 Protein (TEX11) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Testis-expressed sequence 11 protein (Tex11), Recombinant Protein
Full Product Name	Recombinant Mouse Testis-expressed sequence 11 protein (Tex11) , partial
Product Gene Name	Tex11 recombinant protein
Product Synonym Gene Name	Tex11
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	82,241 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 Q14AT2
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tex11 recombinant protein	This gene is X-linked and is expressed in only male germ cells. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Other Notes	Small volumes of Tex11 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 Tex11 purchase	MBS1401632 is a recombinant protein targeting Tex11. Also known as Recombinant Mouse Testis-expressed sequence 11 protein (Tex11) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tex11. It may not necessarily be applicable to this product.

NCBI GI #	269784770
NCBI GeneID	83558
NCBI Accession #	NP_001161469.1
UniProt Primary Accession #	Q14AT2
UniProt Secondary Accession #	Q8BUS0; Q99MW9
UniProt Related Accession #	Q14AT2
GenBank Nucleotide #	NM_001167997.1

NCBI Official Full Name	testis-expressed protein 11 isoform 2
NCBI Official Synonym Full Names	testis expressed gene 11
NCBI Official Symbol	Tex11
NCBI Official Synonym Symbols	ZIP4H; BB024231; 4930565P14Rik
UniProt Protein Name	Testis-expressed protein 11
UniProt Synonym Protein Names	Protein ZIP4 homolog; ZIP4H
Protein Family	Testis-expressed sequence 11 protein
UniProt Gene Name	Tex11
UniProt Synonym Gene Names	ZIP4H
NCBI Protein Information	testis-expressed protein 11
UniProt Comments for Tex11	Regulator of crossing-over during meiosis. Involved in initiation and/or maintenance of chromosome synapsis and formation of crossovers.
Research Articles on Tex11	**1.** Tex11 regulates genome-wide recombination rates in both sexes in a dosage-dependent manner. An intronless autosomal Tex11 transgene functionally substitutes for the X-linked Tex11 gene, providing genetic evidence for the X-to-autosomal retrotransposition evolution phenomenon.
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