Sex-Determining Region Y Protein (SRY) Megaptera Novaeangliae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sex-determining region Y protein (SRY), Recombinant Protein
Full Product Name	Recombinant Megaptera novaeangliae Sex-determining region Y protein (SRY)
Product Gene Name	SRY recombinant protein
Product Synonym Gene Name	SRY
Sequence	MFRIVNGEDY SPAVQQRNSL DFGKAPSLLW TDHGGSNDRC ETGGNGRESG QDRVKRPMNA FIVWSRDQRR KVALENPQMQ NSEISKRLGY DWKMLTEAEK QPFFEEAQRL RAMHRDKYPG YKYRPRRKAK RSQKLLPADS SVLCSRMHIE ETLYPFTYKD GCAKATRSRM ESRLSRSQPT NTASSLLPQE HRSSWTSLSH NRVT
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	23,702 Da
Sequence Positions	1-204, 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 Q864Q8
Species	Megaptera novaeangliae (Humpback whale) (Balaena novaeangliae)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SRY recombinant protein	MBS1356008 is a recombinant protein targeting SRY. Also known as Recombinant Megaptera novaeangliae Sex-determining region Y protein (SRY). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SRY 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 SRY. It may not necessarily be applicable to this product.

NCBI GI #	61216334
NCBI Accession #	Q864Q8.1
UniProt Primary Accession #	Q864Q8
NCBI Official Full Name	Sex-determining region Y protein
UniProt Protein Name	Sex-determining region Y protein
UniProt Synonym Protein Names	Testis-determining factor

Protein Family	Sex-determining region Y protein
UniProt Gene Name	SRY
UniProt Synonym Gene Names	TDF
UniProt Comments for SRY	Transcriptional regulator that controls a genetic switch in male development. It is necessary and sufficient for initiating male sex determination by directing the development of supporting cell precursors (pre-Sertoli cells) as Sertoli rather than granulosa cells. In male adult brain involved in the maintenance of motor functions of dopaminergic neurons. Involved in different aspects of gene regulation including promoter activation or repression. Promotes DNA bending. SRY HMG box recognizes DNA by partial intercalation in the minor groove. Also involved in pre-mRNA splicing. Binds to the DNA consensus sequence 5'-[AT]AACAA[AT]-3' ().
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