Transcription Factor Sox-2 (sox2) Xenopus Tropicalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transcription factor Sox-2 (sox2), Recombinant Protein
Full Product Name	Recombinant Xenopus tropicalis Transcription factor Sox-2 (sox2)
Product Gene Name	sox2 recombinant protein
Product Synonym Gene Name	sox2
Sequence	MYNMMETDLK PPAPQQASGG NSNSGSNNQS KNSPDRVKRP MNAFMVWSRG QRRKMAQENP KMHNSEISKR LGAEWKLLSE AEKRPFIDEA KRLRALHMKE HPDYKYRPRR KTKTLMKKDK YTLPGGLLAP GANPMTSGVG ASLGAGVNQR MDTYAHMNGW TNGGYGMMQE QLGYPQHPGL SAHNAPQMQP MHRYDVSALQ YNSMSSSQTY MNGSPTYSMS YSQQGAPGMS LGSMGSVVKS ESSSSPPVVT SSSHSRAPCQ AGDLRDMISM YLPGAEVPEP AAQSRLHMSQ HYQSASVAGT AINGTLPLSH M
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	34,089 Da
Sequence Positions	1-311, 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 Q6NVN0
Species	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sox2 recombinant protein	MBS1347875 is a recombinant protein targeting sox2. Also known as Recombinant Xenopus tropicalis Transcription factor Sox-2 (sox2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sox2 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 sox2. It may not necessarily be applicable to this product.

NCBI GI #	47497984
NCBI GeneID	407873
NCBI Accession #	NP_998869.1
UniProt Primary Accession #	Q6NVN0
UniProt Related Accession #	Q6NVN0

GenBank Nucleotide #	NM_213704.3
NCBI Official Full Name	transcription factor Sox-2
NCBI Official Synonym Full Names	SRY-box 2
NCBI Official Symbol	sox2
NCBI Official Synonym Symbols	Sox-2; XSox2; anop3; Xsox-2; mcops3; XLSOX-2
UniProt Protein Name	Transcription factor Sox-2
UniProt Synonym Protein Names	SRY (sex determining region Y)-box 2
UniProt Gene Name	sox2
NCBI Protein Information	transcription factor Sox-2
UniProt Comments for sox2	Transcriptional activator. Functions as a switch in neuronal development, participating in the differentiation of embryonic neuroectodermal cells into neural tissues by making the ectodermal cells responsive to FGF-neuralizing signals (). Downstream SRRT target that mediates the promotion of neural stem cell self-renewal ().
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