Syndecan 4-B (sdc4-b) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Syndecan 4-B (sdc4-b), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Syndecan 4-B (sdc4-b), partial
Product Gene Name	sdc4-b recombinant protein
Product Synonym Gene Name	sdc4-b
Sequence	ESI RETETMDPTS MLEYESSGSF TDEVFVDEDD DDDYEDGVDY EIDSESDNDE DYSGSGDDDF DDEDNVEDED EEETTTLGNQ IPEHDFDETK TGRKFDTFNE NNEIDNDIRH PAKPKTLEPS NEIPMASIGS SGFFQRTEVI VA
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	22,929 Da
Sequence Positions	18-162
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 Q1AGV6
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sdc4-b recombinant protein	MBS1483723 is a recombinant protein targeting sdc4-b. Also known as Recombinant Xenopus laevis Syndecan 4-B (sdc4-b), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sdc4-b 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 sdc4-b. It may not necessarily be applicable to this product.

NCBI GI #	148231354
NCBI GeneID	734219
NCBI Accession #	NP_001089177.1
UniProt Primary Accession #	Q1AGV6
UniProt Related Accession #	Q1AGV6
GenBank Nucleotide #	NM_001095708.1

NCBI Official Full Name	syndecan 4-B
NCBI Official Synonym Full Names	syndecan 4 L homeolog
NCBI Official Symbol	sdc4.L
NCBI Official Synonym Symbols	sdc4; syn4; syn-4; sdc4-a; sdc4-b; ryudocan; Syndecan4; syndecan-4; amphiglycan
UniProt Protein Name	Syndecan 4-B
UniProt Synonym Protein Names	Syndecan-4.2; xSyn4.2
Protein Family	Syndecan
UniProt Gene Name	sdc4-b
UniProt Synonym Gene Names	; xSyn4.2
NCBI Protein Information	syndecan 4-B
UniProt Comments for sdc4-b	Cell surface proteoglycan that bears heparan sulfate. Regulates non-canonical Wnt signaling, being necessary and sufficient for fibronectrin-mediated translocation of dvl2/dsh to the plasma membrane. Required for proper convergent extension movements during gastrulation, which shape the neural plate, and for subsequent neural tube closure.
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