Zinc Finger Protein ZIC 3 (ZIC3) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Zinc finger protein ZIC 3 (Zic3), Recombinant Protein
Full Product Name	Recombinant Mouse Zinc finger protein ZIC 3 (Zic3)
Product Gene Name	Zic3 recombinant protein
Product Synonym Gene Name	Zic3
Sequence	MTMLLDGGPQ FPGLGVGSFG APRHHEMPNR EPAGMGLNPF GDSTHAAAAA AAAAAFKLSP ATAHDLSSGQ SSAFTPQGSG YANALGHHHH HHHHHHASQV PTYGGAASAA FNSTRDFLFR QRGSGLSEAA SGGGQHGLFA GSASSLHAPA GIPEPPSYLL FPGLHEQGAG HPSPTGHVDN NQVHLGLRGE LFGRADPYRP VASPRTDPYA ASAQFPNYSP MNMNMGVNVA AHHGPGAFFR YMRQPIKQEL SCKWIEEAQL SRPKKSCDRT FSTMHELVTH VTMEHVGGPE QNNHVCYWEE CPREGKSFKA KYKLVNHIRV HTGEKPFPCP FPGCGKIFAR SENLKIHKRT HTGEKPFKCE FEGCDRRFAN SSDRKKHMHV HTSDKPYICK VCDKSYTHPS SLRKHMKVHE SQGSDSSPAA SSGYESSTPP AIASANSKDT TKTPSAVQTS TSHNPGLPPN FNEWYV
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	49,952 Da
Sequence Positions	1-466, 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 Q62521
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Zic3 recombinant protein	This gene encodes a member of the ZIC family of C2H2-type zinc finger proteins. This nuclear protein probably functions as a transcription factor in early stages of left-right body axis formation. Mutations in this gene cause X-linked visceral heterotaxy, which includes congenital heart disease and left-right axis defects in organs.
Other Notes	Small volumes of Zic3 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 Zic3 purchase	MBS1341680 is a recombinant protein targeting Zic3. Also known as Recombinant Mouse Zinc finger protein ZIC 3 (Zic3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Zic3. It may not necessarily be applicable to this product.

NCBI GI #	117414178

NCBI GeneID	22773
NCBI Accession #	NP_033601.2
UniProt Primary Accession #	Q62521
UniProt Secondary Accession #	Q3UYV1; Q8BSB3; A2AWK3
UniProt Related Accession #	Q62521
GenBank Nucleotide #	NM_009575.2
NCBI Official Full Name	zinc finger protein ZIC 3
NCBI Official Synonym Full Names	zinc finger protein of the cerebellum 3
NCBI Official Symbol	Zic3
NCBI Official Synonym Symbols	Bn; Ka
UniProt Protein Name	Zinc finger protein ZIC 3
UniProt Synonym Protein Names	Zinc finger protein of the cerebellum 3
Protein Family	Zinc finger protein
UniProt Gene Name	Zic3
NCBI Protein Information	zinc finger protein ZIC 3
UniProt Comments for Zic3	Acts as transcriptional activator. Required in the earliest stages in both axial midline development and left-right (LR) asymmetry specification. Binds to the minimal GLI-consensus sequence 5'-GGGTGGTC-3'.
Research Articles on Zic3	**1.** When transduced with Oct4, Sox2, and Klf4 (OSK) into murine fibroblasts, Zic3 and Esrrb synergistically enhance the reprogramming efficiency by regulating cellular metabolic pathways.
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