Zinc Finger Protein 322 (ZNF322) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Zinc finger protein 322 (Znf322), Recombinant Protein
Full Product Name	Recombinant Mouse Zinc finger protein 322 (Znf322)
Product Gene Name	Znf322 recombinant protein
Product Synonym Gene Name	Znf322
Sequence	MENHLGENHR RCTLQKRNVT RELKKGKHTM YALKRVKKIY IRVHEITQID NQTYQCLERE QNFCENLARM CERTYTEEKP YRCDMCEKTF IQSSDLISHQ RIHNYEKPYK CSKCEKSFWH HLALSGHQRT HAGKKFYTCD ICGKNFGQSS DLLVHQRSHT GEKPYLCNEC DKCFSRSTNL IRHRRTHTGE KPFKCLECEK AFSGKSDLIS HQRTHTGERP YKCNKCEKSY RHRSAFIVHK RVHTGEKPYK CGACEKCFGQ KSDLIVHQRV HTGEKPYKCL ECMRSFTRSA NLIRHQATHT HTFKCLEYEK SFNCSSDFIV HQRIHMEEKP HQWSMCESDF LLGMDFVAQQ KMRAQTEELH YKYSVCDKTF HHSSALLQHQ TVHIDDEYIC NMSEKGLDLS SHASETSRVS
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	48,492 Da
Sequence Positions	1-410, 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 Q8BZ89
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Znf322 recombinant protein	MBS1330593 is a recombinant protein targeting Znf322. Also known as Recombinant Mouse Zinc finger protein 322 (Znf322). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Znf322 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 Znf322. It may not necessarily be applicable to this product.

NCBI GI #	162135943
NCBI GeneID	218100
NCBI Accession #	NP_001104577.1
UniProt Primary Accession #	Q8BZ89

UniProt Secondary Accession #	Q8K0A0; Q91W42
UniProt Related Accession #	Q8BZ89
GenBank Nucleotide #	NM_001111107.2
NCBI Official Full Name	zinc finger protein 322
NCBI Official Synonym Full Names	zinc finger protein 322A
NCBI Official Symbol	Zfp322a
NCBI Official Synonym Symbols	Znf322; Znf322a
UniProt Protein Name	Zinc finger protein 322
UniProt Synonym Protein Names	Zinc finger protein 322A
Protein Family	Zinc finger protein
UniProt Gene Name	Znf322
UniProt Synonym Gene Names	Zfp322a; Znf322a
NCBI Protein Information	zinc finger protein 322
UniProt Comments for Znf322	Transcriptional activator. Important for maintenance of pluripotency in embryonic stem cells. Binds directly to the POU5F1 distal enhancer and the NANOG proximal promoter, and enhances expression of both genes. Can also bind to numerous other gene promoters and regulates expression of many other pluripotency factors, either directly or indirectly. Promotes inhibition of MAPK signaling during embryonic stem cell differentiation.
Research Articles on Znf322	**1.** our results demonstrate that Zfp322a is a novel essential component of the transcription factor network which maintains the identity of mouse ES cells.
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