Factor in the Germline Alpha (FIGLA) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Factor in the germline alpha (FIGLA), Recombinant Protein
Full Product Name	Recombinant Human Factor in the germline alpha (FIGLA)
Product Gene Name	FIGLA recombinant protein
Product Synonym Gene Name	FIGLA
Sequence	MDPAPGVLDP RAAPPALLGT PQAEVLEDVL REQFGPLPQL AAVCRLKRLP SGGYSSTENL QLVLERRRVA NAKERERIKN LNRGFARLKA LVPFLPQSRK PSKVDILKGA TEYIQVLSDL LEGAKDSKKQ DPDEQSYSNN SSESHTSSAR QLSRNITQHI SCAFGLKNEE EGPWADGGSG EPAHACRHSV MSTTEIISPT RSLDRFPEVE LLSHRLPQV
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	24,123 Da
Sequence Positions	1-219, 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.
OMIM	608697
3D Structure	ModBase 3D Structure for Q6QHK4
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FIGLA recombinant protein	This gene encodes a protein that functions in postnatal oocyte-specific gene expression. The protein is a basic helix-loop-helix transcription factor that regulates multiple oocyte-specific genes, including genes involved in folliculogenesis and those that encode the zona pellucida. Mutations in this gene cause premature ovarian failure type 6.
Other Notes	Small volumes of FIGLA 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 FIGLA purchase	MBS1488108 is a recombinant protein targeting FIGLA. Also known as Recombinant Human Factor in the germline alpha (FIGLA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	116517330
NCBI GeneID	344018

NCBI Accession #	NP_001004311.2
UniProt Primary Accession #	Q6QHK4
UniProt Related Accession #	Q6QHK4
GenBank Nucleotide #	NM_001004311.3
NCBI Official Full Name	factor in the germline alpha
NCBI Official Synonym Full Names	folliculogenesis specific bHLH transcription factor
NCBI Official Symbol	FIGLA
NCBI Official Synonym Symbols	POF6; BHLHC8; FIGALPHA
UniProt Protein Name	Factor in the germline alpha
UniProt Synonym Protein Names	Class C basic helix-loop-helix protein 8; bHLHc8; Folliculogenesis-specific basic helix-loop-helix protein; Transcription factor FIGa
Protein Family	Factor in the germline
UniProt Gene Name	FIGLA
UniProt Synonym Gene Names	BHLHC8; FIGalpha; bHLHc8
NCBI Protein Information	factor in the germline alpha
UniProt Comments for FIGLA	Germline specific transcription factor implicated in postnatal oocyte-specific gene expression. Plays a key regulatory role in the expression of multiple oocyte-specific genes, including those that initiate folliculogenesis and those that encode the zona pellucida (ZP1, ZP2 and ZP3) required for fertilization and early embryonic survival. Essential for oocytes to survive and form primordial follicles. The persistence of FIGLA in adult females suggests that it may regulate additional pathways that are essential for normal ovarian development. Binds to the E-box (5'-CANNTG-3') of the ZPs (ZP1, ZP2, ZP3) promoters.
Research Articles on FIGLA	**1.** study identified an association between FIGLA gene variants and the occurrence of premature ovarian failure(POF) in the Indian population; findings suggest that the c.427G->C and c.557C->T alleles lead to an increased risk of POF in Indian women
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/factor-in-the-germline-alpha-figla/1488108