GDNF-Inducible Zinc Finger Protein 1 (GZF1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	GDNF-inducible zinc finger protein 1 (GZF1), Recombinant Protein
Full Product Name	Recombinant Human GDNF-inducible zinc finger protein 1 (GZF1)
Product Gene Name	GZF1 recombinant protein
Product Synonym Gene Name	GZF1
Sequence	MESGAVLLES KSSPFNLLHE MHELRLLGHL CDVTVSVEYQ GVRKDFMAHK AVLAATSKFF KEVFLNEKSV DGTRTNVYLN EVQVADFASF LEFVYTAKVQ VEEDRVQRML EVAEKLKCLD LSETCFQLKK QMLESVLLEL QNFSESQEVE VSSGSQVSAA PAPRASVATD GPHPSGLTDS LDYPGERASN GMSSDLPPKK SKDKLDKKKE VVKPPYPKIR RASGRLAGRK VFVEIPKKKY TRRLREQQKT AEGDVGDYRC PQDQSPDRVG TEMEQVSKNE GCQAGAELEE LSKKAGPEEE EEEEEDEEG EKKKSNFKCS ICEKAFLYEK SFLKHSKHRH GVATEVVYRC DTCGQTFANR CNLKSHQRHV HSSERHFPCE LCGKKFKRKK DVKRHVLQVH EGGGERHRCG QCGKGLSSKT ALRLHERTHT GDRPYGCTEC GARFSQPSAL KTHMRIHTGE KPFVCDECGA RFTQNHMLIY HKRCHTGERP FMCETCGKSF ASKEYLKHHN RIHTGSKPFK CEVCFRTFAQ RNSLYQHIKV HTGERPYCCD QCGKQFTQLN ALQRHRRIHT GERPFMCNAC GRTFTDKSTL RRHTSIHDKN TPWKSFLVIV DGSPKNDDGH KTEQPDEEYV SSKLSDKLLS FAENGHFHNL AAVQDTVPTM QENSSADTAC KADDSVVSQD TLLATTISEL SELTPQTDSM PTQLHSLSNM E
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	24,911 Da
Sequence Positions	1-711, 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	613842
3D Structure	ModBase 3D Structure for Q9H116
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GZF1 recombinant protein	MBS1469992 is a recombinant protein targeting GZF1. Also known as Recombinant Human GDNF-inducible zinc finger protein 1 (GZF1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GZF1 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 GZF1. It may not necessarily be applicable to this product.

NCBI GI #	948549888
NCBI GeneID	64412
NCBI Accession #	NP_001303941.1
UniProt Primary Accession #	Q9H116
UniProt Secondary Accession #	Q54A22; Q96N08; Q9BQK9; Q9H117; Q9H6W6; A8K199; B2RBC3; B3KPL4; B4DF58; D3DW39
UniProt Related Accession #	Q9H116
GenBank Nucleotide #	NM_001317012.1
NCBI Official Full Name	GDNF-inducible zinc finger protein 1 isoform a
NCBI Official Synonym Full Names	GDNF inducible zinc finger protein 1
NCBI Official Symbol	GZF1
NCBI Official Synonym Symbols	JLSM; ZBTB23; ZNF336
UniProt Protein Name	GDNF-inducible zinc finger protein 1
UniProt Synonym Protein Names	Zinc finger and BTB domain-containing protein 23; Zinc finger protein 336
Protein Family	GDNF-inducible zinc finger protein
UniProt Gene Name	GZF1
UniProt Synonym Gene Names	ZBTB23; ZNF336
NCBI Protein Information	GDNF-inducible zinc finger protein 1
UniProt Comments for GZF1	Transcriptional repressor. Binds the GZF1 responsive element (GRE) (consensus: 5'-TGCGCN[TG][CA]TATA-3'). May be regulating VSX2/HOX10 expression.
Research Articles on GZF1	**1.** We report an autosomal-recessive Larsen syndrome that is most likely caused by GZF1 mutations.
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