Nuclear Fragile X Mental Retardation-Interacting Protein 1 (NUFIP1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nuclear fragile X mental retardation-interacting protein 1 (NUFIP1), Recombinant Protein
Full Product Name	Recombinant Human Nuclear fragile X mental retardation-interacting protein 1 (NUFIP1)
Product Gene Name	NUFIP1 recombinant protein
Product Synonym Gene Name	NUFIP1
Sequence	MAEPTSDFET PIGWHASPEL TPTLGPLSDT APPRDSWMFW AMLPPPPPPL TSSLPAAGSK PSSESQPPME AQSLPGAPPP FDAQILPGAQ PPFDAQSPLD SQPQPSGQPW NFHASTSWYW RQSSDRFPRH QKSFNPAVKN SYYPRKYDAK FTDFSLPPSR KQKKKKRKEP VFHFFCDTCD RGFKNQEKYD KHMSEHTKCP ELDCSFTAHE KIVQFHWRNM HAPGMKKIKL DTPEEIARWR EERRKNYPTL ANIERKKKLK LEKEKRGAVL TTTQYGKMKG MSRHSQMAKI RSPGKNHKWK NDNSRQRAVT GSGSHLCDLK LEGPPEANAD PLGVLINSDS ESDKEEKPQH SVIPKEVTPA LCSLMSSYGS LSGSESEPEE TPIKTEADVL AENQVLDSSA PKSPSQDVKA TVRNFSEAKS ENRKKSFEKT NPKRKKDYHN YQTLFEPRTH HPYLLEMLLA PDIRHERNVI LQCVRYIIKK DFFGLDTNSA KSKDV
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	56,300 Da
Sequence Positions	1-495, 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	604354
3D Structure	ModBase 3D Structure for Q9UHK0
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NUFIP1 recombinant protein	MBS1352849 is a recombinant protein targeting NUFIP1. Also known as Recombinant Human Nuclear fragile X mental retardation-interacting protein 1 (NUFIP1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NUFIP1 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 NUFIP1. It may not necessarily be applicable to this product.

NCBI GI #	166235163
NCBI GeneID	26747

NCBI Accession #	NP_036477.2
UniProt Primary Accession #	Q9UHK0
UniProt Secondary Accession #	Q8WVM5; Q96SG1
UniProt Related Accession #	Q9UHK0
GenBank Nucleotide #	NM_012345.2
NCBI Official Full Name	nuclear fragile X mental retardation-interacting protein 1
NCBI Official Synonym Full Names	NUFIP1, FMR1 interacting protein 1
NCBI Official Symbol	NUFIP1
NCBI Official Synonym Symbols	NUFIP; bA540M5.1
UniProt Protein Name	Nuclear fragile X mental retardation-interacting protein 1
UniProt Synonym Protein Names	Nuclear FMRP-interacting protein 1
Protein Family	Nuclear fragile X mental retardation-interacting protein
UniProt Gene Name	NUFIP1
NCBI Protein Information	nuclear fragile X mental retardation-interacting protein 1
NCBI Summary for NUFIP1	This gene encodes a nuclear RNA binding protein that contains a C2H2 zinc finger motif and a nuclear localization signal. This protein is associated with the nuclear matrix in perichromatin fibrils and, in neurons, localizes to the cytoplasm in association with endoplasmic reticulum ribosomes. This protein interacts with the fragile X mental retardation protein (FMRP), the tumor suppressor protein BRCA1, upregulates RNA polymerase II transcription, and is involved in box C/D snoRNP biogenesis. A pseudogene of this gene resides on chromosome 6q12. [provided by RefSeq, Feb 2012]
UniProt Comments for NUFIP1	Binds RNA.
Research Articles on NUFIP1	**1.** Results solve the structure of a complex resulting from interaction between protein fragments of human NUFIP1 and its cofactor ZNHIT3, and emphasize their imbrication. Also, it seems that the complexes involving NUFIP1, ZNHIT3, and SNU13 share strong structural similarities between human and yeast, suggesting that the initial steps of the box C/D snoRNP assembly process are conserved among species.
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