Zinc Finger and BTB Domain-Containing Protein 38 (ZBTB38) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Zinc finger and BTB domain-containing protein 38 (ZBTB38), Recombinant Protein
Full Product Name	Recombinant Human Zinc finger and BTB domain-containing protein 38 (ZBTB38) , partial
Product Gene Name	ZBTB38 recombinant protein
Product Synonym Gene Name	ZBTB38
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	134,257 Da
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	612218
3D Structure	ModBase 3D Structure for Q8NAP3
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ZBTB38 recombinant protein	MBS1414376 is a recombinant protein targeting ZBTB38. Also known as Recombinant Human Zinc finger and BTB domain-containing protein 38 (ZBTB38) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ZBTB38 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 ZBTB38. It may not necessarily be applicable to this product.

NCBI GI #	148276990
NCBI GeneID	253461
NCBI Accession #	NP_001073881.2
UniProt Primary Accession #	Q8NAP3
UniProt Secondary Accession #	D3DNF6
UniProt Related Accession #	Q8NAP3
GenBank Nucleotide #	NM_001080412.2
NCBI Official Full Name	zinc finger and BTB domain-containing protein 38

NCBI Official Synonym Full Names	zinc finger and BTB domain containing 38
NCBI Official Symbol	ZBTB38
NCBI Official Synonym Symbols	CIBZ; ZNF921; PPP1R171
UniProt Protein Name	Zinc finger and BTB domain-containing protein 38
Protein Family	Zinc finger and BTB domain-containing protein
UniProt Gene Name	ZBTB38
NCBI Protein Information	zinc finger and BTB domain-containing protein 38
NCBI Summary for ZBTB38	The protein encoded by this gene is a zinc finger transcriptional activator that binds methylated DNA. The encoded protein can form homodimers or heterodimers through the zinc finger domains. In mouse, inhibition of this protein has been associated with apoptosis in some cell types. [provided by RefSeq, Jun 2010]
UniProt Comments for ZBTB38	Transcriptional regulator with bimodal DNA-binding specificity. Binds with a higher affinity to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to E-box elements (5'-CACGTG-3'). Can also bind specifically to a single methyl-CpG pair. Represses transcription in a methyl-CpG-dependent manner (PubMed:16354688). Plays an important role in regulating DNA replication and common fragile sites (CFS) stability in a RBBP6- and MCM10-dependent manner; represses expression of MCM10 which plays an important role in DNA-replication (PubMed:24726359). Acts as a transcriptional activator. May be involved in the differentiation and/or survival of late postmitotic neurons ().
Research Articles on ZBTB38	**1.** ZBTB38 regulates replication efficiency by controlling MCM10 transcription.
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