Zinc Finger BED Domain-Containing Protein 1 (ZBED1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Zinc finger BED domain-containing protein 1 (ZBED1), Recombinant Protein
Full Product Name	Recombinant Human Zinc finger BED domain-containing protein 1 (ZBED1)
Product Gene Name	ZBED1 recombinant protein
Sequence	MENKSLESSQ TDLKLVAHPR AKSKVWKYFG FDTNAEGCIL QWKKIYCRIC MAQIAYSGNT SNLSYHLEKN HPEEFCEFVK SNTEQMREAF ATAFSKLKPE SSQQPGQDAL AVKAGHGYDS KKQQELTAAV LGLICEGLYP ASIVDEPTFK VLLKTADPRY ELPSRKYIST KAIPEKYGAV REVILKELAE ATWCGISTDM WRSENQNRAY VTLAAHFLGL GAPNCLSMGS RCLKTFEVPE ENTAETITRV LYEVFIEWGI SAKVFGATTN YGKDIVKACS LLDVAVHMPC LGHTFNAGIQ QAFQLPKLGA LLSRCRKLVE YFQQSAVAMY MLYEKQKQQN VAHCMLVSNR VSWWGSTLAM LQRLKEQQFV IAGVLVEDSN NHHLMLEASE WATIEGLVEL LQPFKQVAEM LSASRYPTIS MVKPLLHMLL NTTLNIKETD SKELSMAKEV IAKELSKTYQ ETPEIDMFLN VATFLDPRYK RLPFLSAFER QQVENRVVEE AKGLLDKVKD GGYRPAEDKI FPVPEEPPVK KLMRTSTPPP ASVINNMLAE IFCQTGGVED QEEWHAQVVE ELSNFKSQKV LGLNEDPLKW WSDRLALFPL LPKVLQKYWC VTATRVAPER LFGSAANVVS AKRNRLAPAH VDEQVFLYEN ARSGAEAEPE DQDEGEWGLD QEQVFSLGDG VSGGFFGIRD SSFL
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	78,156 Da
Sequence Positions	1-694, 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	300178
3D Structure	ModBase 3D Structure for O96006
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ZBED1 recombinant protein	MBS1239121 is a recombinant protein targeting ZBED1. Also known as Recombinant Human Zinc finger BED domain-containing protein 1 (ZBED1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ZBED1 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 ZBED1. It may not necessarily be applicable to this product.

NCBI GI #	283806699
NCBI GeneID	9189

NCBI Accession #	NP_001164606.1
UniProt Primary Accession #	O96006
UniProt Secondary Accession #	Q96BY4
UniProt Related Accession #	O96006
GenBank Nucleotide #	NM_001171135.1
NCBI Official Full Name	zinc finger BED domain-containing protein 1
NCBI Official Synonym Full Names	zinc finger BED-type containing 1
NCBI Official Symbol	ZBED1
NCBI Official Synonym Symbols	ALTE; DREF; TRAMP; hDREF
UniProt Protein Name	Zinc finger BED domain-containing protein 1
UniProt Synonym Protein Names	Putative Ac-like transposable element; dREF homolog
Protein Family	Zinc finger BED domain-containing protein
UniProt Gene Name	ZBED1
UniProt Synonym Gene Names	ALTE; DREF; KIAA0785; TRAMP
NCBI Protein Information	zinc finger BED domain-containing protein 1
NCBI Summary for ZBED1	This gene is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. It was earlier identified as a gene with similarity to Ac transposable elements, however, was found not to have transposase activity. Later studies show that this gene product is localized in the nucleus and functions as a transcription factor. It binds to DNA elements found in the promoter regions of several genes related to cell proliferation, such as histone H1, hence may have a role in regulating genes related to cell proliferation. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene. [provided by RefSeq, Jan 2010]
UniProt Comments for ZBED1	Binds to 5'-TGTCG[CT]GA[CT]A-3' DNA elements found in the promoter regions of a number of genes related to cell proliferation. Binds to the histone H1 promoter and stimulates transcription. Was first identified as gene weakly similar to Ac transposable elements, but does not code for any transposase activity.
Research Articles on ZBED1	**1.** These findings identify DREF as a novel adenovirus E1A C terminus binding partner and provide evidence supporting a role for DREF in viral replication.
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