EP300-Interacting Inhibitor of Differentiation 3 (EID3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	EP300-interacting inhibitor of differentiation 3 (EID3), Recombinant Protein
Full Product Name	Recombinant Human EP300-interacting inhibitor of differentiation 3 (EID3)
Product Gene Name	EID3 recombinant protein
Product Synonym Gene Name	EID3
Sequence	MKMDVSVRAA GCSDDLSSGE ADVDPKLLEL TADEEKCRSI RRQYRQLMYC VRQNREDIVS SANNSLTEAL EEANVLFDGV SRTREAALDA RFLVMASDLG KEKAKQLNSD MNFFNQLAFC DFLFLFVGLN WMEGDPDKLS DCDDSIALSF WKAIEKEATS WMVKAETFHF VFGSFKLERS APKPRLEHQK KVRKMEENGN MPTKLQKLDL SSYPEATEKN VERILGLLQT YFRKYPDTPV SYFEFVIDPN SFSRTVENIF YVSFIVRDGF ARIRLDEDRL PILEPMNVNQ MGEGNDSSCH GRKQGVISLT LQEWKNIVAA FEISEAMITY SSY
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	38,168 Da
Sequence Positions	1-333, 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	612986
3D Structure	ModBase 3D Structure for Q8N140
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for EID3 recombinant protein	MBS1346736 is a recombinant protein targeting EID3. Also known as Recombinant Human EP300-interacting inhibitor of differentiation 3 (EID3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of EID3 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 EID3. It may not necessarily be applicable to this product.

NCBI GI #	56605998
NCBI GeneID	493861
NCBI Accession #	NP_001008395.1
UniProt Primary Accession #	Q8N140

UniProt Related Accession #	Q8N140
GenBank Nucleotide #	NM_001008394.2
NCBI Official Full Name	EP300-interacting inhibitor of differentiation 3
NCBI Official Synonym Full Names	EP300 interacting inhibitor of differentiation 3
NCBI Official Symbol	EID3
NCBI Official Synonym Symbols	NS4EB; NSE4B; NSMCE4B
UniProt Protein Name	EP300-interacting inhibitor of differentiation 3
UniProt Synonym Protein Names	E1A-like inhibitor of differentiation 3; EID-1-like inhibitor of differentiation 3; Non-structural maintenance of chromosomes element 4 homolog B; NS4EB; Non-SMC element 4 homolog B
Protein Family	EP300-interacting inhibitor of differentiation
UniProt Gene Name	EID3
UniProt Synonym Gene Names	EID-3; NS4EB; Non-SMC element 4 homolog B
NCBI Protein Information	EP300-interacting inhibitor of differentiation 3
UniProt Comments for EID3	Tissue-specific component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination and mediates sumoylation of shelterin complex (telosome) components.
Research Articles on EID3	**1.** EID3 acts as an inhibitor of CBP/p300-dependent transcription in a tissue-specific manner.
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.
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