TGACG-Sequence-Specific DNA-Binding Protein TGA-1a (TGA1A) Nicotiana Tabacum Recombinant Protein

PRODUCT OVERVIEW

Product Name	TGACG-sequence-specific DNA-binding protein TGA-1A (TGA1A), Recombinant Protein
Full Product Name	Recombinant Nicotiana tabacum TGACG-sequence-specific DNA-binding protein TGA-1A (TGA1A)
Product Gene Name	TGA1A recombinant protein
Sequence	MGICDPIHQL GMWDDFNSSF PSTSATMILE VDKCLEDQIP IMEKRLDNET EDTSHGTVGT SNRYEPETSK PVEKVLRRLA QNREAARKSR LRKKAYVQQL ENSKLKLIQL EQELERARKQ GMCVGGGVDA SQLSYSGTAS SGTAVFDMEY GHWVEEQTRQ TNDLRIALHS QIGEAELRII VDGYLNHYFD LFRMKATAAK ADVLYIMSGM WKTSAERFFM WIGGFRPSEL LKVLTPHLEL LTEQQLREVC NLTQSCQQAE DALSQGMVKL HQILAEAVAA GRLGEGNYTL PQMGPAIEKL EDLVRFVNQA DHLRQETLQQ MSRILNTCQA AQGLLALGEY FERLRVLSSQ WATRLREPT
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	40,701 Da
Sequence Positions	1-359, 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.
3D Structure	ModBase 3D Structure for P14232
Species	Nicotiana tabacum (Common tobacco)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TGA1A recombinant protein	MBS1228820 is a recombinant protein targeting TGA1A. Also known as Recombinant Nicotiana tabacum TGACG-sequence-specific DNA-binding protein TGA-1A (TGA1A). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TGA1A 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 TGA1A. It may not necessarily be applicable to this product.

NCBI GI #	135669
NCBI Accession #	P14232.1
UniProt Primary Accession #	P14232
NCBI Official Full Name	TGACG-sequence-specific DNA-binding protein TGA-1A

UniProt Protein Name	TGACG-sequence-specific DNA-binding protein TGA-1A
Protein Family	TGACG-sequence-specific DNA-binding protein
UniProt Gene Name	TGA1A
UniProt Synonym Gene Names	TGA1; ASF-1 protein; TGA1a
UniProt Comments for TGA1A	Transcriptional activator that binds specifically to the DNA sequence 5'-TGACG-3'. Recognizes ocs elements like the as-1 motif of the cauliflower mosaic virus 35S promoter. Binding to the as-1-like cis elements mediate auxin- and salicylic acid-inducible transcription. Could also bind to the Hex-motif (5'-TGACGTGG-3') another cis-acting element found in plant histone promoters.
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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