MAX Protein

PRODUCT OVERVIEW

Product Name	max, Protein
Full Product Name	Protein max
Product Gene Name	MAX protein
Product Synonym Names	BHLHD4; Class D basic helix-loop-helix protein 4; Myc-associated factor X; bHLHd4
Host	E Coli
Form/Format	Liquid
Purity/Purification	>95% by SDS-PAGE
Preparation and Storage	Store at -20 degree C. Avoid repeated freezing and thawing.
Molecular Weight	9,599 Da
OMIM	154950
3D Structure	ModBase 3D Structure for P61244
Tags	His
Storage Buffer	50mM NaH2PO4, 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Applications Tested/Suitable for MAX protein	ELISA (EIA), Western Blot (WB), Affinity Purification (AP), Protein Array
Related Product Information for MAX protein	MBS2888668 is a protein targeting MAX. Also known as Protein max. Host: E Coli.
Other Notes	Small volumes of MAX 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 MAX. It may not necessarily be applicable to this product.

NCBI GI #	402794193
NCBI GeneID	4149
NCBI Accession #	NP_001257997.1
UniProt Primary Accession #	P61244
UniProt Secondary Accession #	P25912; P52163; Q14803; Q96CY8; A6NH73; A8K265; A8K4G4; A8K824
UniProt Related Accession #	P61244
GenBank Nucleotide #	NM_001271068.1
NCBI Official Full Name	protein max isoform g
NCBI Official Synonym Full Names	MYC associated factor X
NCBI Official Symbol	MAX

NCBI Official Synonym Symbols	bHLHd4
UniProt Protein Name	Protein max
UniProt Synonym Protein Names	Class D basic helix-loop-helix protein 4; bHLHd4; Myc-associated factor X
Protein Family	Protein max
UniProt Gene Name	MAX
UniProt Synonym Gene Names	bHLHd4
NCBI Protein Information	protein max
NCBI Summary for MAX	The protein encoded by this gene is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. It is able to form homodimers and heterodimers with other family members, which include Mad, Mxi1 and Myc. Myc is an oncoprotein implicated in cell proliferation, differentiation and apoptosis. The homodimers and heterodimers compete for a common DNA target site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. Mutations of this gene have been reported to be associated with hereditary pheochromocytoma. A pseudogene of this gene is located on the long arm of chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
UniProt Comments for MAX	Transcription regulator. Forms a sequence-specific DNA-binding protein complex with MYC or MAD which recognizes the core sequence 5'-CAC[GA]TG-3'. The MYC:MAX complex is a transcriptional activator, whereas the MAD:MAX complex is a repressor. May repress transcription via the recruitment of a chromatin remodeling complex containing H3 'Lys-9' histone methyltransferase activity. Represses MYC transcriptional activity from E-box elements.
Research Articles on MAX	**1.** To our knowledge, this is the first report of an association between dysregulation of the MAX-MYC network in the brain and a behavior, suggesting a novel approach for exploiting the neuroplasticity associated with depression
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/protein/max/2888668