Product Data Sheet

Product Name:	MAX Human
Cat. No.:	GP23889
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	bHLHd4; bHLHd5; bHLHd6; bHLHd7; bHLHd8; MYC Associated Factor X; Class D basic helix-loop-helix protein 4; orf1; MGC10775; MGC11225; MGC18164; MGC34679; MGC36767; MAX Protein.		
Amino Acid Sequence	MSDNDDIEVE SDEEQPRFQS AADKRAHHNA LERKRRDHIK DSFHSLRDSV PSLQGEKASR AQILDKATEY IQYMRRKNHT HQQDIDDLKR QNALLEQQVR ALEKARSSAQ LQTNYPSSDN SLYTNAKGST ISAFDGGSDS SSESEPEEPQ SRKKLRMEAS LEHHHHHH.		
Formulation	MAX Human solution containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.		

Introduction

MAX protein is part of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. MAX forms homodimers and heterodimers with 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 offers a complex system of transcriptional regulation. In contrast to Myc, which is exceedingly regulated throughout progression during the cell cycle, Max is very stable and is much more abundant than Myc.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

MAX Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

chain containing 168 amino acids (1-160 a.a.) and having a molecular mass of 19.3kDa. MAX protein is fused to an 8 amino acid His-Tag at C-terminus and purified by standard chromatography.