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MAX Human

Catalog #:PRPS-818

For research use only.

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

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.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MSDNDDIEVE SDEEQPRFQS AADKRAHHNA LERKRRDHIK DSFHSLRDSV PSLQGEKASR AQILDKATEY IQYMRRKNHT HQQDIDDLKR QNALLEQQVR ALEKARSSAQ LQTNYPSSDN SLYTNAKGST ISAFDGGSDS SSESEPEEPQ SRKKLRMEAS LEHHHHHH.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
MAX Human solution containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.

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.

Usage:
NeoBiolab's products are furnished forLABORATORY RESEARCHUSEONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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 throµghout progression during the cell cycle, Max is very stable and is much more abundant than Myc.

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