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Datasheet for ABIN1097137

MAX Protein (AA 1-151) (His tag)

Overview

Quantity:	50 µg
Target:	MAX
Protein Characteristics:	AA 1-151
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAX protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Myc-Associated Factor X/MAX (C-6His)
Sequence:	MSDNDDIEVE SDADKRAHHN ALERKRRDHI KDSFHSLRDS VPSLQGEKAS RAQILDKATE YIQYMRRKNH THQQDIDDLK RQNALLEQQV RALEKARSSA QLQTNYPSSD NSLYTNAKGS TISAFDGGSD SSSSEPEEP QSRKKLRMEA SLEHHHHHH
Characteristics:	Recombinant Human Myc-Associated Factor X/MAX is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Ser151) of Human MAX.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	MAX
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Target Details

Alternative Name:	myc-associated-factor-x (MAX Products)
Background:	<p>Myc-Associated Factor X (MAX) is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. It contains 1 basic helix-loop-helix (bHLH) domain. It is found in the brain, heart, and lung at high levels while lower levels are seen in the liver, kidney, and skeletal muscle. MAX 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. It may repress transcription via the recruitment of a chromatin remodeling complex containing H3 'Lys-9' histone methyltransferase activity.</p> <p>Alternative Names: Protein Max, Class D Basic Helix-Loop-Helix Protein 4, bHLHd4, Myc-Associated Factor X, MAX, BHLHD4</p>
Molecular Weight:	18.27 kDa
UniProt:	P61244
Pathways:	Mitotic G1-G1/S Phases

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 50 mM Imidazole, 250 mM NaCl, pH 8.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months