Recombinant Protein Technical Manual

Recombinant Human MAX Protein (His Tag)

RPES1810

Product Data:

Product SKU: RPES1810

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: NP_002373

Protein Information:

Molecular Mass: 18.3 kDa

AP Molecular Mass: 21 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 50mM Imidazole, 250mM NaCl, pH 8.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protein Max; Class D Basic Helix-Loop-Helix Protein 4; bHLHd4;; Myc-Associated Factor X; MAX; BHLHD4

Immunogen Information:

Sequence: Met 1-Ser151

Background:

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.