

## 37-1298: Human MAX / MYC associated factor X Recombinant Protein (His & GST Tag)(Discontinued)

**Reactivity :** Human  
**Alternative Name :** bHLHd4 Protein,

### Description

#### Source : Baculovirus-Insect Cells

MYC associated factor X contains 1 basic helix-loop-helix (bHLH) domain and belongs to MAX family. It is highly expressed in the brain, heart and lung while lower levels are seen in the liver, kidney and skeletal muscle. MYC associated factor X can 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. MYC associated factor X may also repress transcription via the recruitment of a chromatin remodeling complex containing H3 'Lys-9' histone methyltransferase activity. Multiple alternatively spliced transcript variants have been described for MYC associated factor X gene but the full-length nature for some of them is unknown.

### Product Info

**Amount :** Human MAX / MYC associated factor X Recombinant Protein (His & GST Tag)(Discontinued) / 50 µg  
**Purification :** > 85 % as determined by SDS-PAGE  
**Content :** Formulation Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  
**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.  
**Amino Acid :** Met1-Ser160

### Application Note

Endotoxin :< 1.0 EU per 100µg of the protein as determined by the LAL method

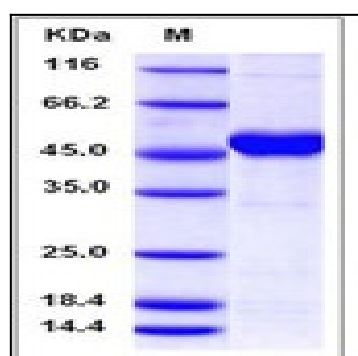


Fig 1: Human MAX / MYC associated factor X Recombinant Protein (His & GST Tag)