Datasheet for ABIN7317333

MAX Protein (GST tag,His tag)

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Overview

Quantity:	50 µg
Target:	MAX
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAX protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human MAX Protein (His &GST Tag)
Sequence:	Met 1-Ser160
Characteristics:	A DNA sequence encoding the human MAX (NP_002373) (Met1-Ser160) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	MAX
Alternative Name:	MAX (MAX Products)
Background:	Background: 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

Target Details

	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. Synonym: Protein Max, Class D Basic Helix-Loop-Helix Protein 4, bHLHd4, Myc-Associated Factor X, MAX, BHLHD4
Molecular Weight:	46.1 kDa
NCBI Accession:	NP_002373
Pathways:	Mitotic G1-G1/S Phases

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, 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°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.