MBIP Protein, Human (His)

Cat. No.:	HY-P70921
Synonyms:	MAP3K12-Binding Inhibitory Protein 1; MAPK Upstream Kinase-Binding Inhibitory Protein; MUK-Binding Inhibitory Protein; MBIP
Species:	Human
Source:	E. coli
Accession:	Q9NS73 (M1-P344)
Gene ID:	51562
Molecular Weight:	Approximately 50.0 kDa

PROPERTIES

AA Sequence	MAAATELNRP SSGDRNLERR CRPNLSREVL YEIFRSLHTL VGQLDLRDDV VKITIDWNKL QSLSAFQPAL LFSALEQHIL YLQPFLAKLQ SPIKEENTTA VEEIGRTEMG NKNEVNDKFS IGDLQEEEKH KESDLRDVKK TQIHFDPEVV QIKAGKAEID RRISAFIERK QAEINENNVR EFCNVIDCNQ ENSCARTDAI FTPYPGFKSH VKVSRVVNTY GPQTRPEGIP GSGHKPNSML RDCGNQAVEE RLQNIEAHLR LQTGGPVPRD IYQRIKKLED KILELEGISP EYFQSVSFSG KRRKVQPPQQ NYSLAELDEK ISALKQALLR KSREAESMAT HHLP
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US;may vary elsewhere.

DESCRIPTION

Background	MBIP protein exerts its inhibitory role by suppressing the activity of MAP3K12, thereby preventing the activation of the JNK/SAPK pathway. Additionally, MBIP serves as a crucial component of the ATAC complex, a histone acetyltransferase complex with activity on histones H3 and H4. Within the ADA2A-containing complex (ATAC), MBIP collaborates with other

components, including KAT14, KAT2A, TADA2L, TADA3L, ZZ3, WDR5, YEATS2, CCDC101, and DR1. In this intricate complex, MBIP is likely to engage in direct interactions with KAT2A, KAT14, and WDR5, highlighting its integral role in chromatin modification processes.

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