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**Product Data Sheet**


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Product Name: MBIP Human  
 Cat. No.: GP23891  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MAP3K12 binding inhibitory protein 1; MAPK upstream kinase-binding inhibitory protein; MUK-binding inhibitory protein; MBIP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAATEL NRPSSGDRNL ERRCRPNLSR EVLYEIFRSL HTLVGQLDLR DDVVKITIDW NKLQSLSAFQ PALLFSALEQ HILYLQPFLA KLQSPIKEEN TTAVEEIGRT EMGNKNEVND KFSIGDLQEE EKHKESDLRD VKKTQIHFDV EVVQIKAGKA EIDRRISAFI ERKQAEINEN NVREFCNVID CNQENSCART DAIFTPYPGF KSHVKVSRVV NTYGPQTRPE GIPGSGHKPN SMLRDCGNQA VEERLQNI EA HLRLQTGGPV PRDIYQRIKK LEDKILELEG ISPEYFQSVS FSGKRRKVQP PQQNYSLAEL DEKISALKQA LLRKSREAES MATHHLP.		
Formulation	The MBIP solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

**Introduction**

MAP3K12 Binding Inhibitory Protein 1 (MBIP) is a part of the ATAC complex which consists of histones H3 and H4 with a histone acetyltransferase activity. MBIP inhibits the MAP3K12 activity in order to induce the activation of the JNK/SAPK pathway.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

MBIP Human Recombinant produced in E. coli is a single polypeptide chain containing 367 amino acids (1-344) and having a molecular mass of 41.7kDa. MBIP is fused to a 23

**Caution: Product has not been fully validated for medical applications. For research use only.**

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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