

## Recombinant Human MAPKAP1, His-tagged

Cat. No. MAPKAP1-29583TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein, corresponding to amino acids 1-330 of Human SIN1 with N terminal His tag, 55kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-330 a.a.
<b>Description</b>	This gene encodes a protein that is highly similar to the yeast SIN1 protein, a stress-activated protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been described. Alternate polyadenylation sites as well as alternate 3 UTRs have been identified for transcripts of this gene.
<b>Conjugation</b>	HIS
<b>Tissue specificity</b>	Ubiquitously expressed, with highest levels in heart and skeletal muscle.
<b>Form</b>	Lyophilised:Reconstitute with 78 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids**

MTVVTMASARVQDLIGLICWQYTSEGREPKLNDNVSAAYCL HIAEDDGEVDTDFPPL  
 DSNEPIHKFGFSTLALVEKYSS PGLTSKESLFVRINA AHGFLIQVDNTKVTMKEILLK  
 AVKRRKGSQKVSQPQYRLEKQSEPNVAVDLDSTLESQSAWE FCLVRENSSRADG  
 VFEEDSQIDIATVQDMLSSHYSKSF KVSMIHLRFTTDVQLGISGDKVEIDPVTNQKA  
 STKFWIK QKPISIDSDLLCACDLAEEKSPSHAIFKLTYLSNHDIYK HLYFESDAATVNEI  
 VLKVNYLESRASTARADYFAQKQ RKLNRRTSFSFQKEKKSGQQ

**Sequence Similarities** Belongs to the SIN1 family.

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** [MAPKAP1 mitogen-activated protein kinase associated protein 1 \[ Homo sapiens \]](#)

**Official Symbol** [MAPKAP1](#)

**Synonyms** MAPKAP1; mitogen-activated protein kinase associated protein 1; target of rapamycin complex 2 subunit MAPKAP1; MGC2745; MIP1; SIN1; stress activated protein kinase interacting 1;

**Gene ID** [79109](#)

**mRNA Refseq** [NM\\_001006617](#)

**Protein Refseq** [NP\\_001006618](#)

**MIM** [610558](#)

**Uniprot ID** [Q9BPZ7](#)

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<b>Chromosome Location</b>	9q34.11
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; CD28 co-stimulation, organism-specific biosystem; CD28 dependent PI3K/Akt signaling, organism-specific biosystem; CXCR3-mediated signaling events, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem;
<b>Function</b>	Ras GTPase binding;

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