



# Human MDM4 peptide (DAG-P0754)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus, and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity, and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, this protein inhibits p53 by binding its transcriptional activation domain. This protein also interacts with MDM2 protein via the RING finger domain, and inhibits the latter's degradation. So this protein can reverse MDM2-targeted degradation of p53, while maintaining suppression of p53 transactivation and apoptotic functions. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Feb 2011]
<b>Specificity</b>	Expressed in all tissues tested with high levels in thymus.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the MDM2/MDM4 family. Contains 1 RanBP2-type zinc finger. Contains 1 RING-type zinc finger. Contains 1 SWIB domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MDM4 MDM4, p53 regulator [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MDM4

<b>Synonyms</b>	MDM4; MDM4, p53 regulator; HDMX; MDMX; MRP1; protein Mdm4; protein Mdmx; MDM4 protein variant G; MDM4 protein variant Y; MDM4-related protein 1; mdm2-like p53-binding protein; Mdm4 p53 binding protein homolog; double minute 4, human homolog of; p53-binding protein;
<b>Entrez Gene ID</b>	<a href="#">4194</a>
<b>mRNA Refseq</b>	<a href="#">NM_001204171.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001191100.1</a>
<b>UniProt ID</b>	O15151
<b>Chromosome Location</b>	1q32
<b>Pathway</b>	MicroRNAs in cancer, organism-specific biosystem; MicroRNAs in cancer, conserved biosystem; Signaling Pathways in Glioblastoma, organism-specific biosystem; p53 pathway, organism-specific biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem;
<b>Function</b>	enzyme binding; protein binding; zinc ion binding;