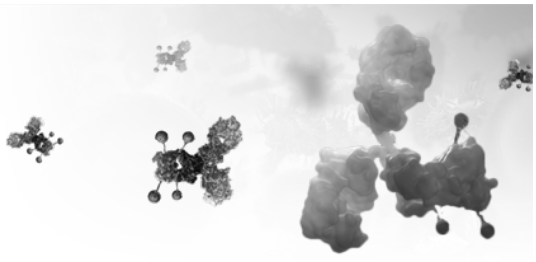

# Human MED1 peptide (DAG-P1192)

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

## PRODUCT INFORMATION

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|---|---|
| **Antigen Description** | The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. It also regulates p53-dependent apoptosis and it is essential for adipogenesis. This protein is known to have the ability to self-oligomerize. [provided by RefSeq, Jul 2008] |
| **Specificity** | Ubiquitously expressed. |
| **Purity** | 70 - 90% by HPLC. |
| **Conjugate** | Unconjugated |
| **Sequence Similarities** | Belongs to the Mediator complex subunit 1 family. |
| **Format** | Liquid |
| **Preservative** | None |
| **Storage** | 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

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|---|---|
| **Gene Name** | MED1 mediator complex subunit 1 [ Homo sapiens (human) ] |
| **Official Symbol** | MED1 |

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| **Synonyms** | MED1; mediator complex subunit 1; PBP; CRSP1; RB18A; TRIP2; PPARBP; CRSP200; DRIP205; DRIP230; PPARGBP; TRAP220; mediator of RNA polymerase II transcription subunit 1; ARC205; TRIP-2; PPAR binding protein; PPAR-binding protein; PPARG binding protein; TR-interacting protein 2; p53 regulatory protein RB18A; thyroid receptor interacting protein 2; thyroid receptor-interacting protein 2; vitamin D receptor-interacting protein 230 kD; activator-recruited cofactor 205 kDa component; peroxisome proliferator-activated receptor-binding protein; vitamin D receptor-interacting protein complex component DRIP205; thyroid hormone receptor-associated protein complex 220 kDa component; thyroid hormone receptor-associated protein complex component TRAP220; |
| **Entrez Gene ID** | 5469 |
| **mRNA Refseq** | NM_004774.3 |
| **Protein Refseq** | NP_004765.2 |
| **UniProt ID** | Q15648 |
| **Chromosome Location** | 17q12 |
| **Pathway** | Activation of Gene Expression by SREBP (SREBF), organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by REV-ERBA, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Energy Metabolism, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body met |
| **Function** | LBD domain binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II transcription cofactor activity; chromatin DNA binding; chromatin binding; core promoter binding; estrogen receptor binding; ligand-depend |

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