TRAP240 Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	TRAP240 (MED13), Blocking Peptide
Full Product Name	TRAP240 Blocking Peptide
Product Gene Name	MED13 blocking peptide
Product Synonym Names	ARC250; KIAA0593; THRAP1; TRAP240; Mediator of RNA polymerase II transcription subunit 13; Activator-recruited cofactor 250 kDa component; ARC250; Mediator complex subunit 13; Thyroid hormone receptor-associated protein 1; Thyroid hormone receptor-associated protein complex 240 kDa component; Trap240; Vitamin D3 receptor-interacting protein complex component DRIP250; DRIP250
Host	Synthetic
Species Reactivity	Human, Mouse
Form/Format	Lyophilized Powder
Purity/Purification	>85%
Preparation and Storage	Store at -20 degree C for one year.
Molecular Weight	239,297 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (60019966..60142643, complement). Location: 17q22-q23
OMIM	603808
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Directions for Use	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Applications Tested/Suitable for MED13 blocking peptide	Blocking (BL)
Related Product Information for MED13 blocking peptide	MBS8309251 is a blocking peptide targeting MED13. Also known as TRAP240 Blocking Peptide. Reactive in Human, Mouse. Host: Synthetic. The peptide is used to block Anti-TRAP240 Antibody reactivity.
Other Notes	Small volumes of MED13 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MED13. It may not necessarily be applicable to this product.

NCBI GI #	102468717
NCBI GeneID	9969
NCBI Accession #	NP_005112.2
UniProt Primary Accession #	Q9UHV7
UniProt Secondary Accession #	Q5SWW4
UniProt Related Accession #	Q9UHV7
GenBank Nucleotide #	NM_005121.2

NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 13
NCBI Official Synonym Full Names	mediator complex subunit 13
NCBI Official Symbol	MED13
NCBI Official Synonym Symbols	ARC250; THRAP1; DRIP250; HSPC221; TRAP240
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 13
UniProt Synonym Protein Names	Activator-recruited cofactor 250 kDa component; ARC250; Mediator complex subunit 13; Thyroid hormone receptor-associated protein 1; Thyroid hormone receptor-associated protein complex 240 kDa component; Trap240; Vitamin D3 receptor-interacting protein complex component DRIP250
Protein Family	Mediator of RNA polymerase II transcription
UniProt Gene Name	MED13
UniProt Synonym Gene Names	ARC250; KIAA0593; THRAP1; TRAP240; ARC250; Trap240; DRIP250
UniProt Entry Name	MED13_HUMAN
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 13; thyroid hormone receptor associated protein 1; thyroid hormone receptor-associated protein 1; activator-recruited cofactor 250 kDa component; thyroid hormone receptor-associated protein, 240 kDa subu
NCBI Summary for MED13	This gene encodes a component of the mediator complex (also known as TRAP, SMCC, DRIP, or ARC), a transcriptional coactivator complex thought to be required for the expression of almost all genes. The mediator complex is recruited by transcriptional activators or nuclear receptors to induce gene expression, possibly by interacting with RNA polymerase II and promoting the formation of a transcriptional pre-initiation complex. The product of this gene is proposed to form a sub-complex with MED12, cyclin C, and CDK8 that can negatively regulate transactivation by mediator. [provided by RefSeq, Jul 2008]
UniProt Comments for MED13	Trap240: Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Belongs to the Mediator complex subunit 13 family. Protein type: Nuclear receptor Chromosomal Location of Human Ortholog: 17q22-q23 Cellular Component: nucleoplasm; membrane; Srb-mediator complex; nucleus Molecular Function: ligand-dependent nuclear receptor transcription coactivator activity; vitamin D receptor binding; transcription coactivator activity; transcription cofactor activity; receptor activity; thyroid hormone receptor binding Biological Process: steroid hormone receptor signaling pathway; transcription initiation from RNA polymerase II promoter; positive regulation of transcription, DNA-dependent; androgen receptor signaling pathway; gene expression; positive regulation of transcription from RNA polymerase II promoter
Research Articles on MED13	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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