# DRIP130 Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | DRIP130, Blocking Peptide |
| **Full Product Name** | DRIP130 Peptide |
| **Product Gene Name** | DRIP130 blocking peptide |
| **Product Synonym Names** | 130 kDa transcriptional co activator; ARC 130; Cofactor required for Sp1 transcriptional activation subunit 3 130kDa; CRSP 130; CRSP 133; DRIP 130; KIAA1216; MED 23; SUR 2; Vitamin D3 receptor interacting protein antibody |
| **Form/Format** | Antigenic Blocking Peptide |
| **Concentration** | Quantity: 250 ug; Volume: 100 ul (lot specific) |
| **Preparation and Storage** | -20• degree C for long term storage |
| **Antibody/Peptide Pairs** | DRIP130 peptide (MBS543980) is used for blocking the activity of DRIP130 antibody (MBS540659) |
| **Antibody/Peptide Pairs** | DRIP130 peptide (MBS543980) is used for blocking the activity of DRIP130 antibody (MBS542091) |
| **Antibody/Peptide Pairs** | DRIP130 peptide (MBS543980) is used for blocking the activity of DRIP130 antibody (MBS542092) |
| **Molecular Weight** | 54,314 Da |
| **OMIM** | 605042 |
| **Immunogen** | Synthetic pepetide taken within amino acid region 650-700 on MED23 protein. |
| **Molecular Function** | Transcription coactivator activity |
| **Subcellular Location** | Nucleus |
| **Applications Tested/Suitable for DRIP130 blocking peptide** | Immunodepletion, Immunocompetition |
| **Application Notes for DRIP130 blocking peptide** | Immunohistochemistry: 1:100<br>Western Blot: 1:500 |
| **Related Product Information for DRIP130 blocking peptide** | Antigenic Blocking Peptide MED23 protein<br>Required for transcriptional activation subsequent to assembly of preinitiation complex. Component of mediator complex, mediator functions as a bridge to convey information from gene specific regulatory proteins to basal RNA polymerase II transcription machinery. |
| **Other Notes** | Small volumes of DRIP130 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. |
| **Searchable Terms for DRIP130 purchase** | MBS543980 is a blocking peptide targeting DRIP130. Also known as DRIP130 Peptide. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DRIP130. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 38174459 |
| **NCBI GeneID** | 9439 |
| **NCBI Accession #** | AAH60759.1 |
| **UniProt Primary Accession #** | Q9ULK4 |

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| **UniProt Secondary Accession #** | O95403; Q5JWT3; Q5JWT4; Q6P9H6; Q9H0J2; Q9NTT9; Q9NTU0; Q9Y5P7; Q9Y667; B9TX55 |
| **UniProt Related Accession #** | Q9ULK4 |
| **NCBI Official Full Name** | MED23 protein |
| **NCBI Official Synonym Full Names** | mediator complex subunit 23 |
| **NCBI Official Symbol** | MED23 |
| **NCBI Official Synonym Symbols** | SUR2; CRSP3; MRT18; SUR-2; ARC130; CRSP130; CRSP133; DRIP130 |
| **UniProt Protein Name** | Mediator of RNA polymerase II transcription subunit 23 |
| **UniProt Synonym Protein Names** | Activator-recruited cofactor 130 kDa component; ARC130; Cofactor required for Sp1 transcriptional activation subunit 3; CRSP complex subunit 3; Mediator complex subunit 23; Protein sur-2 homolog; hSur-2; Transcriptional coactivator CRSP130; Vitamin D3 receptor-interacting protein complex 130 kDa component; DRIP130 |
| **UniProt Gene Name** | MED23 |
| **UniProt Synonym Gene Names** | ARC130; CRSP3; DRIP130; KIAA1216; SUR2; ARC130; CRSP complex subunit 3; hSur-2; DRIP130 |
| **UniProt Entry Name** | MED23_HUMAN |
| **NCBI Protein Information** | mediator of RNA polymerase II transcription subunit 23 |
| **NCBI Summary for DRIP130** | 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. This protein also acts as a metastasis suppressor. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2012] |
| **UniProt Comments for DRIP130** | MED23: Required for transcriptional activation subsequent to the assembly of the preinitiation complex. 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. Required for transcriptional activation by adenovirus E1A protein. Required for ELK1-dependent transcriptional activation in response to activated Ras signaling. Defects in MED23 are the cause of mental retardation autosomal recessive type 18 (MRT18). Mental retardation is characterized by significantly below average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Belongs to the Mediator complex subunit 23 family. 5 isoforms of the human protein are produced by alternative splicing.<br><br>Chromosomal Location of Human Ortholog: 6q22.33-q24.1<br><br>Cellular Component: nucleoplasm; transcription factor complex<br><br>Molecular Function: protein binding; transcription coactivator activity<br><br>Biological Process: regulation of transcription from RNA polymerase II promoter; regulation of transcription, DNA-dependent; transcription initiation from RNA polymerase II promoter<br><br>Disease: Mental Retardation, Autosomal Recessive 18 |
| **Research Articles on DRIP130** | **1.** In Title. |
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