# C9orf156 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

## PRODUCT OVERVIEW

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| **Product Name** | C9orf156, Blocking Peptide |
| **Full Product Name** | C9orf156 Blocking Peptide |
| **Product Gene Name** | C9orf156 blocking peptide |
| **Product Synonym Gene Name** | TRMO |
| **Form/Format** | Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml. |
| **Purity/Purification** | The purity is >90%,tested by HPLC and MS. |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C. |
| **Antibody/Peptide Pairs** | C9orf156 peptide (MBS9622850) is used for blocking the activity of C9orf156 antibody (MBS9604133) |
| **Molecular Weight** | 48,587 Da |
| **Supply Chain Verification** | Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire. |
| **Notes** | For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for C9orf156 blocking peptide** | Blocking/Control |
| **Related Product Information for C9orf156 blocking peptide** | Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody. |
| **Other Notes** | Small volumes of C9orf156 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 C9orf156 purchase** | MBS9622850 is a blocking peptide targeting C9orf156. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C9orf156. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 1061214046 |
| **NCBI GeneID** | 51531 |
| **NCBI Accession #** | NP_001317654.1 |
| **UniProt Primary Accession #** | Q9BU70 |
| **UniProt Secondary Accession #** | Q5T113; Q86SK0; Q9NXJ7; Q9P0Q7 |
| **UniProt Related Accession #** | Q9BU70 |
| **GenBank Nucleotide #** | NM_001330725.1 |

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| **NCBI Official Full Name** | tRNA (adenine(37)-N6)-methyltransferase isoform 2 |
| **NCBI Official Synonym Full Names** | tRNA methyltransferase O |
| **NCBI Official Symbol** | TRMO |
| **NCBI Official Synonym Symbols** | NAP1; HSPC219; C9orf156 |
| **UniProt Protein Name** | Nef-associated protein 1 |
| **UniProt Synonym Protein Names** | Thioesterase NAP1 |
| **UniProt Gene Name** | C9orf156 |
| **UniProt Synonym Gene Names** | NAP1 |
| **UniProt Entry Name** | NAP1_HUMAN |
| **NCBI Protein Information** | tRNA (adenine(37)-N6)-methyltransferase |
| **UniProt Comments for C9orf156** | C9orf156: Hydrolyzes acyl-CoA thioesters (in vitro). Has a preference for substrates with medium chain length (C10-C14). Inactive towards substrates with C18 or C20 aliphatic chains. Its physiological substrate is not known. Belongs to the UPF0066 (VirR) family.<br><br>Protein type: EC 3.1.2.-; Hydrolase<br><br>Chromosomal Location of Human Ortholog: 9q22.33<br><br>Molecular Function: hydrolase activity<br><br>Biological Process: viral reproduction; metabolic process |
| **Research Articles on C9orf156** | **1.** Observational study of gene-disease association. (HuGE Navigator) |
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