# TMEFF1 Peptide - Middle Region Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | TMEFF1, Blocking Peptide |
| **Full Product Name** | TMEFF1 Peptide - middle region |
| **Product Gene Name** | TMEFF1 blocking peptide |
| **Product Synonym Gene Name** | C9orf2; H7365; TR-1; CT120.1 |
| **Form/Format** | Lyophilized powder |
| **Preparation and Storage** | Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles. |
| **Antibody/Peptide Pairs** | TMEFF1 peptide (MBS3232751) is used for blocking the activity of TMEFF1 antibody (MBS3207785) |
| **Molecular Weight** | 41kDa |
| **OMIM** | 603421 |
| **Product Categories/Family for TMEFF1 blocking peptide** | Peptide |
| **Applications Tested/Suitable for TMEFF1 blocking peptide** | Western Blot (WB) |
| **Related Product Information for TMEFF1 blocking peptide** | This is a synthetic peptide designed for use in combination with anti-TMEFF1 antibody made<br><br>Target Description: TMEFF1 may inhibit NODAL and BMP signaling during neural patterning. It may be a tumor suppressor in brain cancers. |
| **Other Notes** | Small volumes of TMEFF1 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 TMEFF1 purchase** | MBS3232751 is a blocking peptide targeting TMEFF1. Also known as TMEFF1 Peptide - middle region. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TMEFF1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 311771742 |
| **NCBI GeneID** | 100526694 |
| **NCBI Accession #** | NP_003683 |
| **UniProt Primary Accession #** | Q8IYR6 |
| **GenBank Nucleotide #** | NM_003692 |
| **NCBI Official Full Name** | MSANTD3-TMEFF1 fusion protein |
| **NCBI Official Synonym Full Names** | MSANTD3-TMEFF1 readthrough |
| **NCBI Official Symbol** | MSANTD3-TMEFF1 |
| **NCBI Official Synonym Symbols** | TR-1; H7365; C9orf2; TMEFF1; C9orf3-TMEFF1; C9orf30-TMEFF1 |
| **UniProt Protein Name** | Tomoregulin-1 |

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| **UniProt Synonym Protein Names** | H7365; Transmembrane protein with EGF-like and one follistatin-like domain |
| **Protein Family** | Tomoregulin |
| **UniProt Gene Name** | TMEFF1 |
| **UniProt Synonym Gene Names** | C9orf2; TR-1 |
| **UniProt Entry Name** | TEFF1_HUMAN |
| **NCBI Protein Information** | MSANTD3-TMEFF1 fusion protein |
| **NCBI Summary for TMEFF1** | This locus represents naturally occurring read-through transcription from the neighboring MSANTD3 (Myb/SANT-like DNA-binding domain containing 3) and TMEFF1 (transmembrane protein with EGF-like and two follistatin-like domains 1) genes. The read-through transcript encodes a fusion protein that shares sequence identity with the products of each individual gene. [provided by RefSeq, Aug 2013] |
| **UniProt Comments for TMEFF1** | TMEFF1: a single-pass type I membrane protein. May inhibit NODAL and BMP signaling during neural patterning. A member of the Cancer-Testis Antigen (CTA) superfamily. CTAs may play roles in embryonal development and tumor transformation or aspects of tumor progression. CTAs were once thought to be silenced in most normal adult tissues, with limited expression in fetal, placental, testis, and ovarian cells. These proteins are now known to be aberrantly expressed in various cancers and many are capable of eliciting humoral and cellular immune responses. Expressed predominantly in brain, and at lower levels in heart, placenta and skeletal muscle. Down-regulated in brain tumors as compared to control brain tissues. Expressed in a variety of cancers cell lines and in myeloma cells. Belongs to the tomoregulin family. Two isoforms of the human protein are produced by alternative splicing. Note: This description may include information from RefSeq and UniProtKB<br><br>Protein type: Cancer Testis Antigen (CTA); Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 9q31<br><br>Cellular Component: plasma membrane; integral to membrane<br><br>Biological Process: multicellular organismal development |
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