# Transmembrane Protein 231 (TMEM231) Chicken Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Transmembrane protein 231 (TMEM231), Recombinant Protein |
| **Full Product Name** | Recombinant Chicken Transmembrane protein 231 (TMEM231) |
| **Product Gene Name** | TMEM231 recombinant protein |
| **Product Synonym Gene Name** | TMEM231 |
| **Product Synonym Names** | Recombinant Transmembrane protein 231 (TMEM231); Transmembrane protein 231 |
| **Sequence** | MAGVELFSHP ALHTRYRAGL CSAAALALLL IAVLTYVPPL LVAYRSHGFW LKQSAYREQP TVRFRYELLF VATTGPGPGS FLAWSTFPAF NRLQEDRLRV PLLSTREEDK NQDGKMDQLH FKLELPLQPT EHVVGVQLIL IFSYQLYRMS TFVMQSMAFL QFFSPVPGSQ LYANGDLKLN QRQLLNHCGL DTRYNVSVVN GTSPFASDYD LKNIIAAYRD RNVTTVFSDS NPIWMTGRGA NTPFIVNATI RYPVEVILYQ PGFWETIKFA WIQYVSILLI FLWVFGRIKM FVFQNQVFAT TPVSPVLPLS PVLSYKQHQP |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degree C. For extended storage, store at -20 or -80 degree C. |
| **Molecular Weight** | 36,527 Da |
| **Sequence Positions** | 1-320 |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for F1NNL1 |
| **Species** | Gallus gallus (Chicken) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for TMEM231 recombinant protein** | MBS1095958 is a recombinant protein targeting TMEM231. Also known as Recombinant Chicken Transmembrane protein 231 (TMEM231). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of TMEM231 recombinant protein 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 TMEM231. It may not necessarily be applicable to this product.

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| **UniProt Primary Accession #** | F1NNL1 |
| **UniProt Protein Name** | Transmembrane protein 231 |
| **Protein Family** | Transmembrane protein |
| **UniProt Gene Name** | TMEM231 |

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| **UniProt Entry Name** | TM231_CHICK |
| **UniProt Comments for TMEM231** | Function: Transmembrane component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for ciliogenesis and sonic hedgehog/SHH signaling<br><br>By similarity.<br><br>Subunit structure: Part of the tectonic-like complex (also named B9 complex)<br><br>By similarity.<br><br>Subcellular location: Cell projection › cilium membrane; Multi-pass membrane protein<br><br>By similarity. Note: Localizes to the transition zone of primary cilia; SEPT2 is required for localization to the transition zone<br><br>By similarity.<br><br>Sequence similarities: Belongs to the TMEM231 family. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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