# TMEM25 Protein, Human (HEK293, His)

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| **Cat. No.:** | HY-P77245 |
| **Synonyms:** | Transmembrane protein 25; TMEM25 |
| **Species:** | Human |
| **Source:** | HEK293 |
| **Accession:** | Q86YD3-2/AAH51841.1(E27-P224) |
| **Gene ID:** | 84866 |
| **Molecular Weight:** | Approximately 32-60 kDa due to glycosylation |

## PROPERTIES

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| **AA Sequence** | E L E P Q I D G Q T W A E R A L R E N E R H A F T C R V A G G P G T P R L A W Y<br>L D G Q L Q E A S T S R L L S V G G E A F S G G T S T F T V T A H R A Q H E L N<br>C S L Q D P R S G R S A N A S V I L N V Q F K P E I A Q V G A K Y Q E A Q G P G<br>L L V V L F A L V R A N P P A N V T W I D Q D G P V T V N T S D F L V L D A Q N<br>Y P W L T N H T V Q L Q L R S L A H N L S V V A T N D V G V T S A S L P A P |
| **Appearance** | Lyophilized powder |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| **Endotoxin Level** | <1 EU/μg, determined by LAL method. |
| **Reconsititution** | It is not recommended to reconstitute to a concentration less than 100 μg/mL in $ddH_2O$. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |
| **Storage & Stability** | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| **Shipping** | Room temperature in continental US; may vary elsewhere. |

## DESCRIPTION

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| **Background** | TMEM25 protein serves a crucial role in neurons by modulating the degradation of the NMDA receptor GRIN2B subunit, contributing to the intricate regulation of neuronal excitability. Its interaction with GRIN2B underscores its involvement in the dynamic processes underlying neurotransmission and synaptic function. |

**Caution: Product has not been fully validated for medical applications. For research use only.**

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