

Human TENM2 Protein

Cat. No. TEN-HM1M2

Description

Source	Recombinant Human TENM2 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gly401-Asn841.
Accession	Q9NT68-1
Molecular Weight	The protein has a predicted MW of 48.48 kDa. The protein cleaved to 55-65 kDa, 38-43 kDa and 25-30 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 90% as determined by Tris-Bis PAGE

Formulation and Storage

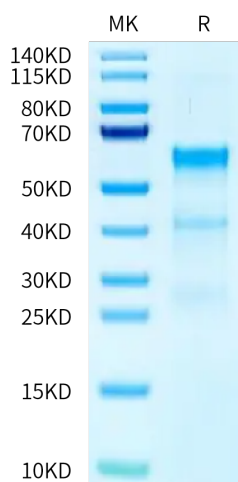
Formulation	Lyophilized from 0.22 µm filtered solution in PBS, 2mM DTT (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Teneurin-2 is a member of a novel family of transmembrane proteins characterized to date in fish, birds, mammals, and *Drosophila* (e.g., the pair-rule gene product Ten-m). Teneurin-2, a vertebrate homologue of the *Drosophila* pair-rule gene *ten-m/odz*, is revealed to be a membrane-bound transcription regulator. In the nucleus, the intracellular domain of teneurin-2 colocalizes with promyelocytic leukemia (PML) protein in nuclear bodies implicated in transcription control.

Assay Data

Tris-Bis PAGE



Human TENM2 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.