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Datasheet for ABIN7454217
TENM2 Protein (AA 401-841) (His tag)

Overview

Quantity:	100 µg
Target:	TENM2
Protein Characteristics:	AA 401-841
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TENM2 protein is labelled with His tag.

Product Details

Purpose:	Human TENM2 Protein
Sequence:	Gly401-Asn841
Characteristics:	Recombinant Human TENM2 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gly401-Asn841.
Purity:	> 90 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	TENM2
Alternative Name:	TENM2 (TENM2 Products)

Target Details

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.

Molecular Weight: 48.48 kDa. The protein cleaved to 55-65 kDa, 38-43 kDa and 25-30 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 µm filtered solution in PBS, 2 mM DTT (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months 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.

Expiry Date: 12 months