

Recombinant Human DIM1 / TXNL4A Protein (His tag)**Cat.NO.: TP06674**

3th Edition

Synonyms:BMKS;DIB1;DIM1;SNRNP15;TXNL4;U5-15kD

Description: DIM1, also known as TXNL4A, is a member of the Dim protein family. The Dim protein family is composed of two classes, DIM1 and Dim2, which share a common thioredoxin-like fold. They were originally identified for their role in cell cycle progression and have been found to interact with Prp6, an essential component of the spliceosome, which forms the bridge of U4/U6.U5-tri-snRNP. In spite of their biological and structural similarities, DIM1 and Dim2 proteins differ in many aspects. DIM1 bears distinctive structural motifs responsible for its interaction with other spliceosome components. Dim2 forms homodimers and contains specific domains required for its interactions with partners. This originality suggests that although both proteins are involved in pre-mRNA splicing, they are likely to be involved in different biological pathways. DIM1 interacts with HNRPF, HNRPH2, NEDD9/HEF1 and PQBP1/NPW38. It plays an essential role in pre-mRNA splicing.

Form:PBS**Molecular Weight:**18.6 kDa**Sequences:**Met 1-Tyr 142**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.