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# Product datasheet for TP300266

## TXNL4A (NM_006701) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human thioredoxin-like 4A (TXNL4A), 20 µg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC200266 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MSYMLPHLHNGWQVDQAILSEEDRVVVIRFGHDWDPTCMKMDEVLYSIAEKVKNFAVIYLVDITEVPDFN KMYELYDPCTVMFFFRNKHIMIDLGTGNNNKINWAMEDKQEMVDIIETVYRGARKGRGLVVSPKDYSTKY RY<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Predicted MW:** | 16.6 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| **Preparation:** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_006692 |
| **Locus ID:** | 10907 |
| **UniProt ID:** | P83876 |
| **RefSeq Size:** | 1415 |

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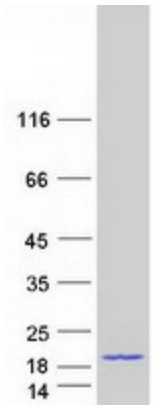
|---|---|
| **Cytogenetics:** | 18q23 |
| **RefSeq ORF:** | 426 |
| **Synonyms:** | BMKS; DIB1; DIM1; SNRNP15; TXNL4; U5-15kD |
| **Summary:** | The protein encoded by this gene is a member of the U5 small ribonucleoprotein particle (snRNP), and is involved in pre-mRNA splicing. This protein contains a thioredoxin-like fold and it is expected to interact with multiple proteins. Protein-protein interactions have been observed with the polyglutamine tract-binding protein 1 (PQBP1). Mutations in both the coding region and promoter region of this gene have been associated with Burn-McKeown syndrome, which is a rare disorder characterized by craniofacial dysmorphisms, cardiac defects, hearing loss, and bilateral choanal atresia. A pseudogene of this gene is found on chromosome 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015] |
| **Protein Families:** | Druggable Genome |
| **Protein Pathways:** | Spliceosome |

## Product images:




Coomassie blue staining of purified TXNL4A protein (Cat# TP300266). The protein was produced from HEK293T cells transfected with TXNL4A cDNA clone (Cat# [RC200266]) using MegaTran 2.0 (Cat# [TT210002]).