

## Product datasheet for **TP315131**

### **ANKRD16 (NM\_001009941) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human ankyrin repeat domain 16 (ANKRD16), transcript variant 2, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC215131 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAQPGDPRRLCRLVQEGRLRALKEELQAAGGCPGPAGDTLLHCAARHGHHRDVLAYLAEAWGMDIEATNRD YKRPLHEAASMGHRDCVRYLLGRGAAVDCLKKADWTPLMMACTRKNLGVIELVEHGANPLLKNKDGWNS FHASREGDPLILQYLLTVCPGAWKTESKIRRTPLHTAAMHGHLEAVKLLKRCQYEPDYRDNCGVTALM DAIQCGHIDVARLLLDEHGACLSAEDSLGAQALHRAAVTGQDEAIRFLVSELGVDVDVRATSTHLTALHY AAKEGHTSTIQTLISLGADINSKDEKNRSALHLACAGQHLACAKFLLQSGLKDSEITGTLAQQLP RRAD VLQGS GHSAMT  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	39.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_001009941</a></u>
<b>Locus ID:</b>	54522



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UniProt ID: [Q6P6B7](#)

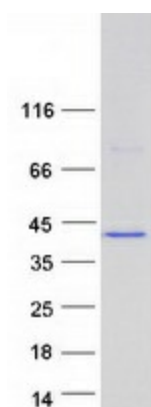
RefSeq Size: 1683

Cytogenetics: 10p15.1

RefSeq ORF: 1083

**Summary:** Required to prevent the misactivation of serine (Ser) with tRNA(Ala) by promoting the hydrolysis of Ser-mischarged tRNA(Ala), thereby playing a role in translational fidelity. Binds directly to the catalytic domain of AARS/AlaRS and captures Ser that is misactivated by AARS/AlaRS, preventing the charging of Ser adenylates to tRNA(Ala) and precluding Ser misincorporation in nascent peptides.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified ANKRD16 protein (Cat# TP315131). The protein was produced from HEK293T cells transfected with ANKRD16 cDNA clone (Cat# [RC215131]) using MegaTran 2.0 (Cat# [TT210002]).