

## Product datasheet for TP315131L

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ankyrin repeat domain 16 (ANKRD16), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215131 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAQPGDPRRLCRLVQEGRLRALKEELQAAGGCPGPAGDTLLHCAARHGHHRDVLAYLAEAWGMDIEATNRD YKRPLHEAASMGHRDCVRYLLGRGAAVDCLKKADWTPLMMACTRKNLGVIELVEHGANPLLKNKDGWNS FHASREGDPLILQYLLTVCPCGAWKTESKIRRTPLHTAAMHGHLEAVKLLKRCQYEPDYRDNCGVTALM DAIQCGHIDVARLLLDEHGACLSAEDSLGAQALHRAAVTGQDEAIRFLVSELGVDVDVRATSTHLTALHY AAKEGHTSTIQTLISLGADINSKDEKNRSALHLACAGQHLACAKFLLQSGLKDSEITGTLAQQLP RRAD VLQGS GHSAMT</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	39.1 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:	<a href="#">NP_001009941</a>
Locus ID:	54522



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UniProt ID: [Q6P6B7](#)

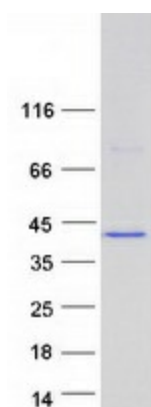
RefSeq Size: 1683

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]).