

## Product datasheet for TP322437M

### ANKRD16 (NM\_001009942) Human Recombinant Protein

#### Product data:

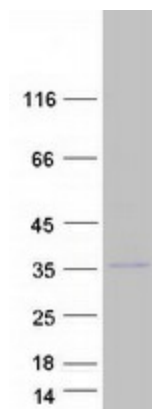
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens ankyrin repeat domain 16 (ANKRD16), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222437 representing NM_001009942 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAQPGDPRRLCRLVQEGRLRALKEELQAAGGCPGPAGDTLLHCAARHGHHRDVLAYLAEAWGMIEATNRD YKRPLHEAASMGHRDCVRYLLGRGAADVCLKKADWTPLMMACTRKNLGVIELVEHGANPLLKNKDGWNS FHASREGDPLILQYLLTVCPGAWKTESKIRRTPLHTAAMHGHLEAVKLLKRCQYEPDYRDNCGVTALM DAIQCGHIDVARLLLDEHGACLSAEDSLGAQALHRAAVTGHTSTIQTLLSLGADINSKDEKNRSALHLAC AGQHLACAKFLLQSGLKDSEITGTLAQQLP RRADVLQSGSHSMT</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	35.3 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_001009942</a>
Locus ID:	54522



[View online »](#)

UniProt ID:	<a href="#">Q6P6B7</a>
RefSeq Size:	1069
Cytogenetics:	10p15.1
RefSeq ORF:	978
Synonyms:	ankyrin repeat domain 16; OTTHUMP00000019019; OTTHUMP00000044872
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# [TP322437]). The protein was produced from HEK293T cells transfected with ANKRD16 cDNA clone (Cat# [RC222437]) using MegaTran 2.0 (Cat# [TT210002]).