

# Recombinant Human ANKRD16 Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** ANKRD16-245H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ANKRD16 MS Standard C13 and N15-labeled recombinant protein (NP_061919) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	39.3 kDa
<b>AA Sequence</b>	MAQPGDPRRLCRLVQEGRLRALKEELQAAGGCPGPAGDTLLHCAARHGHRDVLAY LAEAWGMDIEATNRDYKRPLHEAASMGRDCVRYLLGRGAAVDCLKKADWTPLMM ACTRKNLGVIELVEHGANPLLKNKDGWNSFHASREGDPLILQYLLTVCPGAWKTE SKIRRTPLHTAAMHGHLEAVKVLKRCQYEPDYRDNCGVTALMDAIQCGHIDVARLL LDEHGACLSAEDSLGAQALHRAAVTGQDEAIRFLVSELGVDVDVRATSTHLTALHYA AKEGHTSTIQTLTSLGADINSKDEKNRSALHLACAGQHLACAKFLLQSGLKDSEDITG TLAQQLP RRADV LQGSGHSAMTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ANKRD16 ankyrin repeat domain 16 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">ANKRD16</a>
<b>Synonyms</b>	ANKRD16; ankyrin repeat domain 16; ankyrin repeat domain-containing protein 16
<b>Gene ID</b>	<a href="#">54522</a>
<b>mRNA Refseq</b>	<a href="#">NM_019046</a>
<b>Protein Refseq</b>	<a href="#">NP_061919</a>
<b>MIM</b>	<a href="#">618017</a>
<b>UniProt ID</b>	<a href="#">Q6P6B7</a>

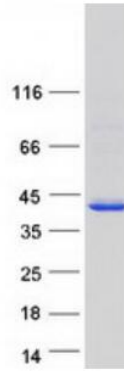
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SDS-PAGE



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