

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

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

SPECIFICATION

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

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

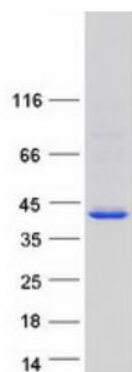
GENE INFORMATION

Gene Name	ANKRD16 ankyrin repeat domain 16 [Homo sapiens (human)]
Official Symbol	ANKRD16
Synonyms	ANKRD16; ankyrin repeat domain 16; ankyrin repeat domain-containing protein 16
Gene ID	54522
mRNA Refseq	NM_019046
Protein Refseq	NP_061919
MIM	618017
UniProt ID	Q6P6B7

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SDS-PAGE

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