

Recombinant Mouse Ankrd16 Protein, Myc/DDK-tagged

Cat. No. Ankrd16-1631M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ankyrin repeat domain 16 (Ankrd16), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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	39.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Ankrd16 ankyrin repeat domain 16 [Mus musculus (house mouse)]
Official Symbol	Ankrd16
Synonyms	Ankrd16; ankyrin repeat domain 16; AI646698; 2810455F06Rik; D430029B21Rik; ankyrin repeat domain-containing protein 16
Gene ID	320816
mRNA Refseq	NM_177268
Protein Refseq	NP_796242
UniProt ID	A2AS55

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