Recombinant Mouse Ddx20 Protein, Myc/DDK-tagged

Cat. No. Ddx20-2501M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length DEAD (Asp-Glu-Ala-Asp) box polypeptide 20 (Ddx20), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The SMN complex plays a catalyst role in the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. Dissociation by the SMN complex of CLNS1A from the trapped Sm proteins and their transfer to an SMN-Sm complex triggers the assembly of core snRNPs and their transport to the nucleus. May also play a role in the metabolism of small nucleolar ribonucleoprotein (snoRNPs).
Molecular Mass	92.2 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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.

GENE INFORMATION

Gene Name	Ddx20 DEAD box helicase 20 [Mus musculus (house mouse)]
Official Symbol	Ddx20
Synonyms	DDX20; DEAD (Asp-Glu-Ala-Asp) box polypeptide 20; probable ATP-dependent RNA helicase DDX20; ROSF-1; gemin-3; DEAD box protein 20; component of gems 3; DEAD box protein DP 103; regulator of steroidogenic factor 1; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 20; dp103; GEMIN3; MGC159174
Gene ID	53975
mRNA Refseq	NM_017397
Protein Refseq	NP_059093
UniProt ID	Q9JJY4

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