

Recombinant Mouse Ddx6 Protein, Myc/DDK-tagged

Cat. No. Ddx6-2515M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length DEAD (Asp-Glu-Ala-Asp) box polypeptide 6 (Ddx6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Essential for the formation of P-bodies, cytosolic membrane-less ribonucleoprotein granules involved in RNA metabolism through the coordinated storage of mRNAs encoding regulatory functions. Plays a role in P-bodies to coordinate the storage of translationally inactive mRNAs in the cytoplasm and prevent their degradation. In the process of mRNA degradation, plays a role in mRNA decapping. Blocks autophagy in nutrient-rich conditions by repressing the expression of ATG-related genes through degradation of their transcripts.
Molecular Mass	54.6 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

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ddx6 DEAD (Asp-Glu-Ala-Asp) box polypeptide 6 [Mus musculus (house mouse)]

Official Symbol Ddx6

Synonyms DDX6; DEAD (Asp-Glu-Ala-Asp) box polypeptide 6; probable ATP-dependent RNA helicase DDX6; DEAD box protein 6; oncogene RCK homolog; ATP-dependent RNA helicase p54; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 6; DEAD (aspartate-glutamate-alanine-aspartate) box polypeptide 6; D-E-A-D (aspartate-glutamate-alanine-aspartate) box polypeptide 6; p54; rck; HLR2; mRCK/P54; 1110001P04Rik; E230023J21Rik

Gene ID 13209

mRNA Refseq NM_007841

Protein Refseq NP_031867

UniProt ID P54823

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