Recombinant Mouse Dnajc2 Protein, Myc/DDK-tagged

Cat. No. Dnajc2-2607M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length DnaJ heat shock protein family (Hsp40) member C2 (Dnajc2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts both as a chaperone in the cytosol and as a chromatin regulator in the nucleus. When cytosolic, acts as a molecular chaperone: component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, stimulates the ATPase activity of the ribosome-associated pool of Hsp70-type chaperones HSPA14 that bind to the nascent polypeptide chain. When nuclear, mediates the switching from polycomb-repressed genes to an active state: specifically recruited at histone H2A ubiquitinated at 'Lys-119' (H2AK119ub), and promotes the displacement of the polycomb PRC1 complex from chromatin, thereby facilitating transcription activation. Specifically binds DNA sequence 5'-GTCAAGC-3'.
Molecular Mass	71.7 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.

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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	Dnajc2 DnaJ heat shock protein family (Hsp40) member C2 [Mus musculus (house mouse)]
Official Symbol	Dnajc2
Synonyms	DNAJC2; DnaJ (Hsp40) homolog, subfamily C, member 2; dnaJ homolog subfamily C member 2; Id associate 1; zuotin related factor 1; zuotin related factor 2; zuotin-related factor 1; Zrf1; Zrf2; MIDA1; AU020218
Gene ID	22791
mRNA Refseq	NM_009584
Protein Refseq	NP_033610
UniProt ID	P54103

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