Recombinant Human DNAJC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DNAJC2-2165H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DNAJC2 MS Standard C13 and N15-labeled recombinant protein (NP_001123359) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the M-phase phosphoprotein (MPP) family. The gene encodes a phosphoprotein with a J domain and a Myb DNA-binding domain which localizes to both the nucleus and the cytosol. The protein is capable of forming a heterodimeric complex that associates with ribosomes, acting as a molecular chaperone for nascent polypeptide chains as they exit the ribosome. This protein was identified as a leukemia-associated antigen and expression of the gene is upregulated in leukemic blasts. Also, chromosomal aberrations involving this gene are associated with primary head and neck squamous cell tumors. This gene has a pseudogene on chromosome 6. Alternatively spliced variants which encode different protein isoforms have been described.
Molecular Mass	65.7 kDa
AA Sequence	MLLLPSAADGRGTAITHALTSASTLCQVEPVGRWFEAFVKRRNRNASASFQELEDK KELSEESEDEELQLEEFPMLKTLDPKDWKNQDHYAVLGLGHVRYKATQRQIKAAHK AMVLKHHPDKRKAAGEPIKEGDNDYFTCITKAYEMLSDPVKRRAFNSVDPTFDNSV

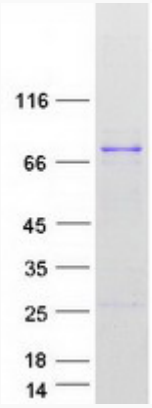
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	PSKSEAKDNFFEVFTPVFERNSRWSNKKNVPKLGDMNSSFEDVDIFYSFWYNFDS WREFSYLDEEEKEKAECRDERRWIEKQNRATRAQRKKEEMNRIRTLVDNAYSCDP RIKKFKEEEKAKKEAEKKAKAEAKRKEQEAKEKQRQAELEAARLAKEKEEEEVRQQ ALLAKKEKDIQKKAIKKERQKLRNSCKIEEINEQIRKEKEEAEARMRQASKNTEKSTG GGGNGSKNWSEDDLQLLIKAVNLFPAGTNSRWEVIANYMNIHSSSGVKRTAKDVIG KAKSLQKLDPHQKDDINKKAFDKFKKEHGVVPQADNATPSERFEGPYTDFTPWTTE EQKLLEQALKTYPVNTPERWEKIAEAVPGRTKKDCMKRYKELVEMVKAKKAAQEQV LNASRAKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV		
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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	DNAJC2 DnaJ heat shock protein family (Hsp40) member C2 [Homo sapiens (human)]
Official Symbol	DNAJC2
Synonyms	DNAJC2; DnaJ (Hsp40) homolog, subfamily C, member 2; ZRF1, zuotin related factor 1; dnaJ homolog subfamily C member 2; MPHOSPH11; MPP11; ZUO1; zuotin; zuotin related factor 1; zuotin-related factor 1; M-phase phosphoprotein 11; ZRF1;

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Gene ID	27000
mRNA Refseq	NM_001129887
Protein Refseq	NP_001123359
MIM	605502
UniProt ID	Q99543
SDS-PAGE	

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