Recombinant Human DNAJC2, His-tagged

Cat. No. DNAJC2-26774TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 189-621 of Human DNAJC2 with N terminal His tag; Predicted MWt 51kDa.
Species	Human
Source	E.coli
ProteinLength	189-621 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 125 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	NSRWSNKKNVPKLGDMNSSFEDVDIFYSFWYNFDSWREFS YLDEEEKEKAECRDE RRWIEKQNRATRAQRKKEEMNRI RTLVDNAYSCDPRIKKFKEEEKAKKEAEKKAKA EAKRK EQEAKEKQRQAELEAARLAKEKEEEEVRQQALLAKKEK DIQKKAIKKERQK LRNSCKTWNHFSDNEAERVKMMEEVEK LCDRLELASLQCLNETLTSCTKEVGKAA LEKQIEEINE QIRKEKEEAEARMRQASKNTEKSTGGGGNGSKNWSEDD LQLLIKAV NLFPAGTNSRWEVIANYMNIHSSSGVKRTA KDVIGKAKSLQKLDPHQKDDINKKAFD KFKKEHGVVPQ ADNATPSERFEGPYTDFTPWTTEEQKLLEQALKTYPVNTP ERWE KIAEAVPGRTKKDCMKRYKELVEMVKAKKAAQEQ VLNASRAKK
Sequence Similarities	Contains 1 J domain.Contains 2 SANT domains.

GENE INFORMATION

Gene Name	DNAJC2 DnaJ (Hsp40) homolog, subfamily C, member 2 [Homo sapiens]
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;
Gene ID	27000
mRNA Refseq	NM_014377
Protein Refseq	NP_055192

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MIM	605502
Uniprot ID	Q99543
Chromosome Location	7q22-q32
Function	DNA binding; Hsp70 protein binding; chromatin binding; histone binding; ubiquitin binding;

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