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Product datasheet for SC323142

DNAJC2 (NM_001129887) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC2 (NM_001129887) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAJC2
Synonyms:	MPHOSPH11; MPP11; ZRF1; ZUO1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC323142 representing NM_001129887.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGCTTCTGCCAAGCGCCGCGGACGGCCGGGGCACCGCCATCACCCACGCTCTGACCTCTGCCTCT
ACACTCTGTCAAGTTGAACCTGTGGGAAGATGGTTTGAAGCTTTTGTTAAGAGGAGAAACAGAAATGCT
TCTGCCTCTTTTCAGGAACTGGAGGATAAGAAAGAGTTATCCGAGGAATCAGAAGATGAAGAATTGCAG
TTGGAAGAGTTTCCCATGCTGAAAACACTTGATCCCAAAGACTGGAAGAACCAAGATCATTATGCAGTT
CTTGGACTTGGCCATGTGAGATACAAGGCTACACAGAGACAGATCAAAGCAGCTCATAAAGCAATGGTT
TTAAAACATCACCCAGACAAACGGAAAGCAGCTGGTGAACCAATAAAAGAAGGAGATAATGACTACTTC
ACTTGCATAACTAAAGCTTATGAAATGTTATCTGATCCAGTGAAAAGACGAGCATTTAACAGTGTAGAT
CCTACTTTTGATAACTCAGTTCCTTCTAAAAGTGAAGCAAAGGATAATTTCTTCGAAGTGTTTACCCCA
GTGTTTGAAAGGAATTCCAGATGGTCAAATAAAAAAAATGTTCCTAAACTTGGTGATATGAATTCATCA
TTTGAAGATGTAGATATATTTTATTCTTTCTGGTATAATTTTGATTCTTGGAGAGAATTTTCTTATTTA
GATGAAGAAGAAAAAGAAAAAGCAGAATGTCGTGATGAGAGGAGATGGATTGAAAAGCAGAACAGAGCA
ACAAGAGCACAAAGAAAAAAAGAAGAAATGAACAGAATAAGAACATTAGTTGACAATGCATACAGCTGT
GATCCAAGGATAAAAAAGTTCAAGGAAGAAGAAAAAGCCAAGAAAGAAGCAGAAAAGAAAGCAAAAGCA
GAAGCTAAACGGAAGGAGCAAGAAGCTAAAGAAAAACAAAGACAAGCTGAATTAGAAGCTGCTCGGTTA
GCTAAGGAGAAAGAAGAGGAGGAAGTCAGACAGCAAGCATTGCTGGCAAAGAAGGAAAAAGATATCCAG
AAAAAAGCCATTAAGAAGGAAAGGCAAAAACTTCGAAACTCATGCAAGATAGAAGAAATAAATGAGCAA
ATCAGAAAAGAGAAAGAGGAAGCTGAGGCTCGTATGCGACAAGCATCTAAGAACACAGAGAAATCAACT
GGTGGAGGTGGAAATGGAAGTAAAAATTGGTCAGAAGATGATCTACAATTACTAATTAAAGCTGTGAAT
CTGTTCCCTGCTGGAACAAATTCAAGATGGGAAGTTATTGCTAATTACATGAACATACATTCTTCCTCT
GGAGTCAAAAGAACTGCCAAAGATGTTATTGGCAAAGCAAAGAGTCTCCAAAAACTTGACCCTCATCAA
AAAGATGACATAAATAAAAAGGCATTTGATAAGTTCAAAAAAGAACATGGAGTGGTACCTCAAGCAGAC
AACGCAACGCCTTCAGAACGATTTGAAGGTCCATATACAGACTTCACCCCTTGGACAACAGAAGAACAG
AAGCTTTTGGAACAAGCTTTGAAAACATACCCAGTAAATACACCTGAAAGATGGGAAAAAATAGCAGAA
GCGGTGCCTGGCAGGACAAAGAAGGACTGCATGAAACGATACAAGGAACTTGTCGAGATGGTAAAAGCA
AAGAAAGCTGCTCAAGAACAAGTGCTGAATGCAAGTAGAGCCAAGAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001129887

Insert Size: 1707 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001129887.1
RefSeq Size:	2053 bp
RefSeq ORF:	1707 bp
Locus ID:	27000
UniProt ID:	Q99543
Cytogenetics:	7q22.1
MW:	65.9 kDa
Gene Summary:	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. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) lacks two alternate in-frame exons, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.

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