

## Product datasheet for **MC216781**

### **Dnajc7 (NM\_019795) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnajc7 (NM_019795) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnajc7
Synonyms:	2010003F24Rik; 2010004G07Rik; CCRP; mDj11; mTpr2; Ttc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216781 representing NM\_019795  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCTACCGCGAGTGCATGTGGTAATGGCGGCGACCGAGCCTGAACTGCTGGAGGACGAAGACG  
 CCAAGAGGGAAGCAGAATCCTTCAAGGAACAAGGGAATGCATATTATGCTAAGAAGGACTACAACGAAGC  
 TTATAACTATTACACAAAAGCCATAGATATGTGTCTTAACAATGCCAGCTATTACGGTAATCGAGCGGCC  
 ACACTGATGATGCTTGGACGTTCCGGGAAGCTCTGGAGATGCGCAGCAGTCTGTGAGGTTGGATGACA  
 GTTTTGTCCGGGACACCTCCGAGAAGGCAAGTGCCACCTCTCACTTGGGAATGCAATGGCGGCATGTGC  
 TAGTTTCAAAGAGCCCTAGAAGTGGATCATAAAAATGCCAGGCACAGCAGGAGTTCAAGAACGCCAAT  
 GCCGTCATGGAGTATGAGAAAAAGCAGAAGTGGATTTTAAAAGCGAGATTTCCGGAAGGTTGTTTTCT  
 GCATGGACCGTGCCTAGAATTTGCCCTGCCTGCCATCGATTCAAATTTCTCAAAGCAGAATGTTTAGC  
 AATGCTTGGTCGATACCCAGAAGCACAGTTTGTGGCCAGTGACATTTTACGAATGGATTCCACCAATGCT  
 GATGCTCTGTATGTCGGGGTCTTTGCCTTTATTACGAAGATTGTATTGAGAAGGCAAGTGCAGTTTTTTG  
 TACAGGCTCTCAGGATGGCTCCTGACCAGGAGAAGGCTTGTGTCGCTTGTAGAAATGCCAAAGCCCTTAA  
 AGCCAAGAAGGAAGATGGGAATAAGCCTTTAAGGAAGGAAATTACAAGCTAGCATATGAACTGTACACA  
 GAAGCCTTGGGGATAGATCCCAACAACATAAAACAAATGCTAACTCTACTGTAATCGGGGTACGGTTA  
 ATTCAAAGCTTAGGCAACTGGAAGATGCCATAGAAGACTGTACAATGCGGTGAAGCTCGATGACTTTA  
 CATCAAAGCCTACCTGAGAAGAGCTCAGTGTACATGGACACAGAGCAGTTTGAAGAAGCCGTGCGGGAC  
 TATGAAAAAGTGTATCAGACGGAGAAAAACAAAAGAACAACACAGCTCCTTAAGAATGCACAGCTGGAAC  
 TGAAGAAGAGCAAGAGGAAAGATTACTACAAGATCCTGGGAGTGGACAAGAATGCCTCTGAGGACGAGAT  
 CAAGAAAAGCTTACCGGAAACGGGCCTTGATGCACCATCCAGATCGGCACAGTGGGGCCAGTGCCGAAGTT  
 CAGAAGGAGGAGGAGAAGAAGTTAAGGAAGTGGGAGAGGCCCTTACCATCCTCTCTGATCCCAAGAAAA  
 AGACTCGTTATGACAGTGGACAGGACTTGGATGAGGAGGCATGAATATGGGCGATTTTGTGCAAAACA  
 CATCTTCAAGGCATTCTCGGTGGTCTGGGGCTTCAGCTTTGAAGCATCTGGCCAGGGAATTTCTAC  
 TTTCAAGTTGGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_019795

**Insert Size:** 1485 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).

**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).

**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\\_019795.4](#), [NP\\_062769.2](#)

**RefSeq Size:** 2312 bp

**RefSeq ORF:** 1485 bp

**Locus ID:** 56354

**UniProt ID:** [Q9QYI3](#)

**Cytogenetics:** 11 63.47 cM

**Gene Summary:** Acts as co-chaperone regulating the molecular chaperones HSP70 and HSP90 in folding of steroid receptors, such as the glucocorticoid receptor and the progesterone receptor. Proposed to act as a recycling chaperone by facilitating the return of chaperone substrates to early stages of chaperoning if further folding is required. In vitro, induces ATP-independent dissociation of HSP90 but not of HSP70 from the chaperone-substrate complexes (By similarity). Recruits NR1I3 to the cytoplasm.[UniProtKB/Swiss-Prot Function]