

Product datasheet for MC201902

Ercc8 (NM_028042) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ercc8 (NM_028042) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ercc8
Synonyms: 2410022P04Rik; 2810431L23Rik; 4631412O06Rik; B130065P18Rik; Ckn1; Csa
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC037200 sequence for NM_028042
 CAGCGCCCAGGCCTCCAGCCGGTGTGGACCCGAGATGTTGAGCTTTTTGTCCGCTCGACAGTCGGGTT
 TGGAGGACCCTCTTCGTTGCGTAGAGCGCAGTCCACACGGAGGGTCTGGGGCTGGAGTTAAACAAAGA
 CAGGGATGTGAAAGAATCCATGGCAGTGGGGTTAACACCCTCGACATTGAGCCCGTTGAAGGAAGATAC
 ATGTTGTGAGGTGGCTCCGATGGCGTGGTGTACTCTATGACCTTGAGAACGCCAGCAGACAGCCCCATT
 ACACATGTAAAGCAGTGTGTTCCATTGGCAGAAGCCATCCCGATGTTACAAAATACAGCGTGGAGACTGT
 TCAGTGGTATCCTCATGACACTGGCATGTTACATCCAGCTCATTTGATAAAACTCTGAAAGTGTGGGAT
 ACAAACACATTGCAGGCTGCAGATGTGTTAATTTTGGAGAAACAGTTTACAGTCATCACATGTCCCCAG
 CAGCCACCAAGCACTGTCTGGTAGCAGTTGGAACAAGAGGACCCAAGGTACAACCTTGTGACTTAAAGTC
 TGGATCCTGTTCTCACATTCTACAGGGTCACAGACAGGAAATCTTGGCAGTTTCTGGTCACCACGCCAT
 GACTATATCTTGGCAACAGCAAGTGCTGACAGTAGAGTAAAATTATGGGATGTGAGAAGAGCGTCAGGAT
 GCTTGCTTACTCTTGACCAGCATAATGGGAAAAAGTCACAAGCTGCTGAATCAGCAAAACTGCTCACAA
 TGGGAAAGTTAACGGCTTATGTTTTACAAGTGACGGCCTTCACTGCTCACCATTTGGCACAGACAACCGA
 ATGCGCCTCTGGAATAGCTCCAGCGGGGACAACACCCTGGTGAATATGGGAAGGTGTGTAATGACAGCA
 GGAAAGGGCTGCAGTTCGCTGTCTCCTGTGGCTGCAGCTCAGAGTTTGTGTTTGTCCCCACGGCAGCAC
 CATCGCTGTGTACGCAGTCCACTCGGGAGAGCGGCTCGCCATGCTCAAGGGACATTACAAAAGCGTCGAC
 TGCTGTGTGTTCCAGCCTAATTTCCAGGAACCTTACAGTGAAGCAGGGACTGCAATATTTCTGCTTGGG
 TACCACCTTCTATGAGCCAGTTCCTGATGATGACGATGAAGTCCAGCCAAATCCCAGTTAAACCCAGC
 ATTCGCGGACGCCTGGAGCAGCAGTGACGAGGATGGGTGACTGTCAGCCCTGGCTCCTTGTCCATCAGAC
 TTCCACGACAGTGTGTGCACTTCAGCACGAGCAGGGTGTCTTCCGTTATTGTTGGTTTTGAGAC
 AGTGTCTCACGATGTAACCCTGGCTAGCCTGGACTAGCCTGGAACCTGTATAGAGCAGACTCGGCTCAC
 ACTGGCAGCTATTCTGCCTCTGCTCCCAGGTGCTGGGGTTAGAGGTGTATACCACGTGGCCCTCTGTGA
 CATGTGTGTGATTGTTTTCATTGTTTGTAAACTCTTCAGTCAGTTTTTAACCTGTTGATCCTGAGTT
 TGGGATATTTCCCTGTGTGCTTTAAAATGAGATCGATGTGTATGATACCCTGAAATATACTTTTCTGTGC
 GTTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_028042
Insert Size:	1194 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:	<ol style="list-style-type: none">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:	BC037200 , AAH37200
RefSeq Size:	1629 bp
RefSeq ORF:	1194 bp
Locus ID:	71991
UniProt ID:	Q8CFD5
Cytogenetics:	13 D2.1
Gene Summary:	Involved in transcription-coupled nucleotide excision repair. It is required for the recruitment of XAB2, HMGN1 and TCEA1/TFIIS to a transcription-coupled repair complex which removes RNA polymerase II-blocking lesions from the transcribed strand of active genes. It is the substrate-recognition component of the CSA complex (DCX(ERCC8) complex) which promotes the ubiquitination and subsequent proteasomal degradation of ERCC6 in a UV-dependent manner; ERCC6 degradation is essential for the recovery of RNA synthesis after transcription-coupled repair.[UniProtKB/Swiss-Prot Function]