

Product datasheet for RC214392

ERCC8 (NM_000082) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERCC8 (NM_000082) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ERCC8
Synonyms:	CKN1; CSA; UVSS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214392 representing NM_000082 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGGTTTTGTCCGCACGCCAAACGGGTTGGAGGACCCTCTTCGCCTTCGGAGAGCAGAGTCAA
CACGGAGAGTTTTGGGACTGGAATTAATAAAGACAGAGATGTTGAAAGAATCCACGGCGGTGGAATTA
CACCCCTTGACATTGAACCTGTTGAAGGGAGATACATGTTATCAGGTGGTTCAGATGGTGTGATTGACTT
TATGACCTTGAGAACTCCAGCAGACAATCTTATTACACATGTAAGCAGTGTGTTCCATTGGCAGAGATC
ATCCTGATGTTACAGATACAGTGTGGAGACTGTACAGTGGTATCCTCATGACACTGGCATGTTCCATC
AAGCTCATTTGATAAACTCTGAAAGTATGGGATACAAAACATTACAACTGCAGATGATTTAATTTT
GAGGAAACAGTTTATAGTCATCATATGTCTCCAGTCTCCACCAAGCACTGTTTGGTAGCAGTTGGTACTA
GAGGACCCAAAGTACAACCTTTGTGACTTGAAGTCTGGATCCTGTTCTCACATTCTACAGGGTACAGACA
AGAAATATTAGCAGTTTCTGGTCTCCACGTTATGACTATATCTTGGCAACAGCAAGTGCTGACAGTAGA
GTAAATTTATGGGATGTGAGAAGAGCATCAGGATGTTGATTACTCTTGATCAACATAATGGGAAAAAGT
CACAAGCTGTTGAATCAGCAAACACTGCTCATAATGGGAAAGTTAATGGCTTATGTTTTACAAGTGATGG
ACTTCACTCCTCACTGTTGGTACAGATAATCGAATGAGGCTCTGGAATAGTTCCAATGGAGAAAACACA
CTTGAACTATGGAAAAGTTTGTAAACAGTAAAAAGGATTGAAATTCAGTGTCTCCTGTGGCTGCA
GTTGAGAAATTTGTTTTGTACCATATGGTAGCACCATTGCTGTTTATACAGTTTACTCAGGAGAACAGAT
AACTATGCTTAAGGGACATTATAAACTGTTGACTGCTGTGATTTTCAGTCAAATTTCCAGGAACTTTAT
AGTGGTAGCAGAGACTGCAACATTCTGGCTTGGGTTCCATCCTTATATGAACCAGTTCCTGATGATGATG
AGACTACAACAAATCACAATTAATCCGGCCTTTGAAGATGCCTGGAGCAGCAGTGATGAAGAAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_000082.4](#)

RefSeq Size: 2031 bp

RefSeq ORF: 1191 bp

Locus ID: 1161

UniProt ID: [Q13216](#)

Cytogenetics: 5q12.1

Domains: WD40

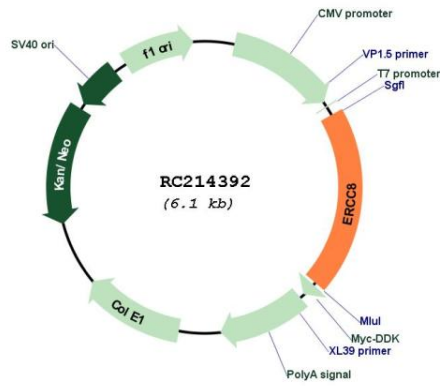
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Nucleotide excision repair, Ubiquitin mediated proteolysis

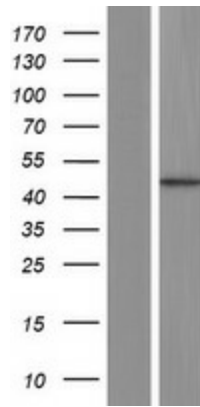
MW: 43.9 kDa

Gene Summary: This gene encodes a WD repeat protein, which interacts with Cockayne syndrome type B (CSB) protein and with p44 protein, a subunit of the RNA polymerase II transcription factor IIH. Mutations in this gene have been identified in patients with hereditary disease Cockayne syndrome (CS). CS cells are abnormally sensitive to ultraviolet radiation and are defective in the repair of transcriptionally active genes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RC214392



Western blot validation of overexpression lysate (Cat# [LY424939]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214392 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).