

Product datasheet for SC123696

ERCC8 (BC009793) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERCC8 (BC009793) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERCC8
Synonyms:	CKN1; Cockayne syndrome WD-repeat protein CSA; CSA; DNA excision repair protein ERCC-8; excision repair cross-complementing rodent repair deficiency, complementation group 8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC009793 edited GGGGGTCATGGCGACGTCCAGTGCTCCAGCCGGTGTGAGGACACGATATGCTGGGGTTTT TGTCGCCACGCCAAACGGGTTTGGAGACCCTCTTCGCCTTCGGAGAGCAGAGTCAACAC GGAGAGTTTTGGGACTGGAATTAATAAAGACAGAGATGTTGAAAGAATCCACGGCGGTG GAATTAACACCCTTGACATTGAACCTGTTGAAGGAGATACATGTTATCAGGTGGTTCAG ATGGTGTGATTGTAATTTATGACCTTGAGAACTCCAGCAGACAATCTTATTACACATGTA AAGCAGTGTGTTCCATTGGCAGAGATCATCCTGATGTTACAGATACAGTGTGGAGACTG TACAGTGGTATCCTCATGACACTGGCATGTTACATCAAGCTCATTTGATAAACTCTGA AAGTATGGGATACAAATACATTACAACTGCAGATGTATTTAATTTTGGAGAAACAGTTT ACAGTCATCATATGTCTCCAGTCTCCACCAAGCACTGTTGGTAGCAGTTGGTAGAG GACCCAAAGTACAACCTTTGTGACTTGAAGTCTGGATCCTGTTCTCACATTCTACAGGTA TTTTTATTTTATTTCAAACGGCAACTACTTTGAGTAAACGATTCAATAAAAAAGAAACGTT ACTAACAGTGTATTCTTTGTAAGTGACATGACTAATGTACTTTGTGCTGGTTGTTGAGAC TCAGCAGGGAAATAAAGATCCTTCTGTGATTATTCTTATAAACTGAACCATTGAAAAC ACATTTATATGAACAATGATCATTGGGGAAGCTCAAACAATATGAAAAATAGTTCTAACT CAAAACCTTGTTATTTCTACATTAATAAAAACTAATGCAACTCAGAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for BC009793 unedited</p> <pre> ATAGGCGGCCGCGNAATTCGCCATTACGGCCGGGGTTCATGGCGACGTCCAGTGCTCCAG CCGGTGTGAGGACACGATATGCTGGGTTTTTGTCCGCACGCCAAACGGGTTTGGAGGAC CCTCTTCGCCTTCGGAGAGCAGAGTCAACACGGAGAGTTTTGGGACTGGAATTAATAAA GACAGAGATGTTGAAAGAATCCACGGCGGTGGAATTAACACCCTTGACATTGAACCTGTT GAAGGGAGATACATGTTATCAGGTGGTTCAGATGGTGTGATTGTACTTTATGACCTTGAG AACTCCAGCAGACAATCTTATTACACATGTAAGCAGTGTGTCCATTGGCAGAGATCAT CCTGATGTTACAGATACAGTGTGGAGACTGTACAGTGGTATCCTCATGACACTGGCATG TTCACATCAAGCTCATTTGATAAACTCTGAAAGTATGGGATACAAATACATTACAACT GCAGATGTATTTAATTTTGGAGAAACAGTTTACAGTCATCATATGTCTCCAGTCTCCACC AAGCACTGTTTGGTAGCAGTTGGTACTAGAGGACCCAAAGTACAACCTTTGTGACTTGAAG TCTGGATCCTGTTCTCACATTCTACAGGTATTTTTATTTTAAACGGCAACTACT TTGAGTAAACGATTCAATAAAAAGAAACGTTACTAACAGTGTATTCTTTGTAAGTGACAT GACTAATGTACTTTGTGCTGTTGTTGAGACTCAGCAGGAAATAAAGATCCTTCTGTGC ATTATTTCTTATAAACTGAACCCTTGAACACATTTATATGAACAATGATCATTGG </pre>
Restriction Sites:	Please inquire
ACCN:	BC009793
Insert Size:	916 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:	BC009793.1 , AAH09793.1
RefSeq Size:	916 bp
Locus ID:	1161
Cytogenetics:	5q12.1
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Nucleotide excision repair, Ubiquitin mediated proteolysis

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]