

Product datasheet for **SC123720**

ERCC6L (BC008808) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ERCC6L (BC008808) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ERCC6L |
| Synonyms: | PICH; RAD26L |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for BC008808 edited
 CCACCTTGCAAGATGGTAAAGGTACAGGTAGTGTGACTCTATAGCTACTTTACCAAAGG
 GGTGGGAAGTGTAGAAGAACTTTGTAACCTTTCATTGGGAATGGAAAAAGCTTTG
 CAACTAAAAATGAAGCTGTACAAAAAGAGACATTACAAGAGGGGCTAAGCAAGAGGCAC
 TGCAAGAGGATCCTCTGGAAAGTTTAAATTATGTACTTAGCAAATCAACCAAAGCTGATA
 TTGGGCCAAATTTAGATCAACTAAAGGATGATGAGATTTTACGTCAATTGCAATCCTTGGC
 CCATTATTTCCATAACAAATGAAAGTCAAAATGCAGAATCAAATGTATCCATTATTGAAA
 TAGCTGATGACCTTTAGCATCCCATAGTGCAGTGCAGGATGCTCAAGCAAGTGAGGCCA
 AGTTGGAAGAGGAACCTTCAGCATCTTCACCACAGTATGCATGTATTCAATCTTTCT
 TGGAAGACTCAGCAGACAACAGACAAAATTTTCCAGTCAGTCTTAGAGCATGTTGAGA
 AAGAAAATAGCTTGTGTGGCTCTGCACCTAATTCAGAGCAGGGTTTGTGCATAGCAAAA
 CATGTCTCAGTTGGGAGTTTCTGAGAAAGACGATGAACCAGAAGAAGTAGTAAAG
 CAAAAATCAGAAGTAAAGCTAGAAGGATTGTTTCAGATGGCGAAGATGAAGATGATTCTT
 TTAAGATACCTCAAGCATAAATCCATTCAACACATCTCTTTCAATTCTCATCTGTGA
 AACAAATTTGATGCTTCACTCCCAAAAATGACATCAGTCCACCAGGAAGGTTCTTTTCAT
 CTCAAATACCCAGTAGTGTAAATAAGTCTATGAACTCTAGAAGATCTCTGGCTTCTAGGA
 GGTCTCTTATTAATATGGTTTTAGACCAGTGGAGGACATGGAGGAAAGACTTGACGACA
 GCAGTGAAGCAAAGGTCCTGAAGATTATCCAGAAGAAGGGTGGAGGAAAGCAGTGGCG
 AAGCCTCCAAGTATACAGAAGAGGATCCTTCCGGAGAAACACTGTCTTCAGAAAAACAAGT
 CCAGCTGGTTAATGACGTCTAAGCCTAGTGCTCTAGCTCAAGAGACCTCTCTGGTGCC
 CTGAGCCTTTGTCTGGTGAACAGTTGGTTGGTTCTCCCAGGATAAGGCGGCAGAGGCTA
 CAAATGACTATGAGACTCTTGTAAAGCGTGGAAAAGAACTAAAAGAGTGTGAAAAATCC
 AGGAGGCCCTAACTGCTTAGTTAAAGCGCTTGACATAAAAAGTGCAGATCCTGAAGTTA
 TGCTCTTGACTTTAAGTTTGTATAAGCAACTTAATAACAATTGAGAATGTAACTGTTTA
 TTGATTTTTAAAGTGAACTGAATATGAGGGAATTTTTGTTCCCATTAATTGGATTCTTTG
 GGAACATGAAGCATTAGGCTTAAGGCAAGAAAGATCTCAAAAAGCAACTCTGCCTGC
 AACGCCCCCACTCCATAGTCTGGTATTCTGAGCACTAGCTTAATATTTCTCACTTGAA
 TATTTCTATATTTAGGCATATTCTATAAATTTAACTGTGTTGTTTCTGGAAAGTTTTG
 TAAATATTCTGGTCATTCTTAATTTTACTCTGAAAGTGATCATCTTTGTATATAACAG
 TTCAGATAAGAAAATTAAGTTACTTTTCTCAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC008808 unedited
 NGGGGAGTTTAGGATTTGTAATACGACTTATATAGGCGGCGCGCAATTCGCACGAGGCC
 ACCTTGCAAGATGGTAAAGGTACAGGTAGTGTGACTCTATAGCTACTTTACCAAAGGTT
 TTGGAAGTGTAGAAGAACTTTGTAACCTTTCATTGGGAATGGAAAAAGCTTTGCAA
 CTAATAATGAAGCTGTACAAAAAGAGACATTACAAGAGGGGCTAAGCAAGAGGCACTGC
 AAGAGGATCCTCTGGAAGTTTAAATTATGTACTTAGCAAATCAACCAAAGCTGATATTG
 GGCCAAATTTAGATCAACTAAAGGATGATGAGATTTTACGTCAATTGCAATCCTTGCCCA
 TTATTTCCATAACAAATGAAAGTCAAAATGCAGAATCAAATGTATCCATTATTGAAATAG
 CTGATGACCTTTAGCATCCCATAGTGCAGTGCAGGATGCTCAAGCAAGTGAAGGCAAGT
 TGGAAGAGGAACCTTCAGCATCTTCACCACAGTATGCATGTATTCAATCTTTCTTGG
 AAGACTCAGCAGACAACAGACAAAATTTTCCAGTCAGTCTTTAGAGCATGTTGAGAAAG
 AAAATAGCTTGTGTGGCTCTGCACCTAATTTAGAGCANGGTTTGTGCATAGCAAAACAT
 GTCTCAGTTGGGAGTTTCTGAGNAAGACGATGAACCAGAAGAGTAGTAGTTAAAGCGAA
 AAATCAGAGTAAAGCTAGAAGGATTGTTTCAGATGGCGAAGATGAAGATGATTCTTTAA
 AGATACCTCAAGCATAAATCCATTCAACACATCTCTTTCAATTCTCATCTGTGAAACAT
 TTGATGCTCAACTCCCAAAATGACATCAGTCCACAGGAAGGTGCTTTCAT

Restriction Sites: Please inquire

ACCN: BC008808

Insert Size: 1738 bp

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| 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: | BC008808.2 , AAH08808.2 |
| RefSeq Size: | 1729 bp |
| Locus ID: | 54821 |
| Cytogenetics: | Xq13.1 |
| Gene Summary: | <p>This gene encodes a member of the SWItch/Sucrose Non-Fermentable (SWI/SNF2) family of proteins, and contains a SNF2-like ATPase domain and a PICH family domain. One distinguishing feature of this SWI/SNF protein family member is that during interphase, the protein is excluded from the nucleus, and only associates with chromatin after the nuclear envelope has broken down. This protein is a DNA translocase that is thought to bind double-stranded DNA that is exposed to stretching forces, such as those exerted by the mitotic spindle. This protein associates with ribosomal DNA and ultra-fine DNA bridges (UFBs), fine structures that connect sister chromatids during anaphase at some sites such as fragile sites, telomeres and centromeres. This gene is required for the faithful segregation of sister chromatids during mitosis, and the ATPase activity of this protein required for the resolution of UFBs before cytokinesis. [provided by RefSeq, May 2017]</p> |