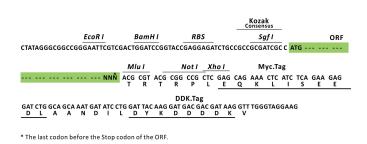


# Product datasheet for RC219020L3

## CSB (ERCC6) (NM\_000124) Human Tagged Lenti ORF Clone

### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CSB (ERCC6) (NM_000124) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	CSB
Synonyms:	ARMD5; CKN2; COFS; COFS1; CSB; CSB-PGBD3; POF11; RAD26; UVSS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219020).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I         ORF         Mlu I            GCG ATC GC         ATG //         NNN         ACG CGT



ACCN: ORF Size: NM\_000124 4479 bp

#### OriGene Technologies, Inc.

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	SB (ERCC6) (NM_000124) Human Tagged Lenti ORF Clone – RC219020L3
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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 Met	<ul> <li>chod: 1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ul>
RefSeq:	<u>NM 000124.1</u>
RefSeq Size:	8993 bp
RefSeq ORF:	4482 bp
Locus ID:	2074
UniProt ID:	<u>Q03468</u>
Cytogenetics:	10q11.23
Domains:	SNF2_N, DEAD, helicase_C
Protein Families:	Druggable Genome
Protein Pathways:	Nucleotide excision repair
MW:	168.3 kDa

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#### SB (ERCC6) (NM\_000124) Human Tagged Lenti ORF Clone – RC219020L3

Gene Summary:This gene encodes a DNA-binding protein that is important in transcription-coupled excision<br/>repair. The encoded protein has ATP-stimulated ATPase activity, interacts with several<br/>transcription and excision repair proteins, and may promote complex formation at DNA<br/>repair sites. Mutations in this gene are associated with Cockayne syndrome type B and<br/>cerebrooculofacioskeletal syndrome 1. Alternative splicing occurs between a splice site from<br/>exon 5 of this gene to the 3' splice site upstream of the open reading frame (ORF) of the<br/>adjacent gene, piggyback-derived-3 (GeneID:267004), which activates the alternative<br/>polyadenylation site downstream of the piggyback-derived-3 ORF. The resulting transcripts<br/>encode a fusion protein that shares sequence with the product of each individual gene.<br/>[provided by RefSeq, Mar 2016]

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