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Product datasheet for RC219020L4V

CSB (ERCC6) (NM_000124) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CSB (ERCC6) (NM_000124) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CSB
Synonyms:	ARMD5; CKN2; COFS; COFS1; CSB; CSB-PGBD3; POF11; RAD26; UVSS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000124
ORF Size:	4479 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219020).
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000124.1
RefSeq Size:	8993 bp
RefSeq ORF:	4482 bp
Locus ID:	2074
UniProt ID:	Q03468
Cytogenetics:	10q11.23
Domains:	SNF2_N, DEAD, helicase_C
Protein Families:	Druggable Genome

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Protein Pathways: Nucleotide excision repair

MW: 168.3 kDa

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