

Product datasheet for **RG213060**

RAD26L (ERCC6L2) (NM_001010895) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAD26L (ERCC6L2) (NM_001010895) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ERCC6L2
Synonyms:	BMFS2; C9orf102; HEBO; RAD26L; SR278
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213060 representing NM_001010895
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGCCGGGCTCGGCCCTCCCCTGGCCGGATGGATCCGTCGGCGCCACAGCCCCGCGCGGAAACCT
 CAGGCAAAGACATATGGCATCCAGGAGAAAGATGTCTTGCCCTTCTCCAGATAATGGAAAACTTTGTGA
 AGCAAGCATAAAATCTATCACAGTGGATGAAAATGGCAAGTCATTTGCAGTCGTCTTATATGCAGATTTT
 CAAGAAAGGAAAAACCTCTTAAACAGCTTCAAGAAGTAAAATTTGTTAAAGATTGCCCTAGGAATCTTA
 TATTTGATGATGAAGATTTAGAAAAACCTTATTTCCAAACCGAAAAATTTCCATCATCTTCTGTTGCTTT
 TAAATTATCTGACAATGGAGACTCTATTCCTTATACCATCAATAGGTATTTGAGAGACTACCAAAGAGAA
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 GAAAAACAGTACAGGTTATTTCACTTCTGGCTGCAGTTTTGCATAAAAAGGGAACCTGTGAGGATATTGA
 AAATAACATGCCAGATTTTTACTAAGAAGTATGAAAAAGGAACCCCTTCTTCTACAGCAAAAAGATG
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 TGCTCTAAACACTTATGAAACACTACGCTTATGCCTGGATGAACTTAACAGTTTGGAAATGGTCAGCTGTC
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 CTGGGCTGTGCCAGGCCCTTTAGGGAGTGGGACCTACTTCAAGAAGCAGTTTTCTGACCCAGTAGAACAT
 GGTCAGAGACACCGCAACAAAGAGAGAACTAGCCACTGGCCGAAAGGCCATGCAAAGACTTGCCAAAA
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 CACAAGATGTTAACATTTGCCTTGTCTCTACAATGGCTGGTGGACTAGGCCTCAATTTTGTGGTGC
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 ATTTGGACAATGTAGAGATGTCAAAGTGCTTAGGCTGATATCCTTGGGAACTGTGGAGGAAATCATGTATT
 TACGACAGATATACAAGCAGCAACTTCACTGTGTGGTGGTTGGAAGTGAAGAAATGCCAAACGATATTTGA
 AGCAGTTCAAGGATCTAAAGAGCATCAAGGAGAGCTTTTGGGATCCATAACCTCTTCAAATTTAGGTCC
 CAAGGGTCTTGTCTTACGAAGGACATCCTGGAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >RG213060 representing NM_001010895
 Red=Cloning site Green=Tags(s)

MQPGSAPPPGRMDPSAPQPR AETSGKDIWHPGERCLAPSPDNGKLCEASIKSITVDENGKSFVAVLYADF
 QERKIPLKQLQEVKFKDCPRNLI FDDLEKPYFPNRKFPSSSVAFKLSDNNGDSIPY TINRYLRDYQRE
 GTRFLYGHYIHGGC I LGDDMGLGKT VQVISFLAAVLHKKGTREDIENMPEFLLRSMKKEPLSSTAKKM
 FLIVAPLSVLYNWKDELDTWGYFRVTVLHG NRKDNELIRVKQRKCEIAL TTYETLRLCLDELNSLEWSAV
 IVDEAHR IKNPKARVTEVMKALKCNVRI GLTG TILQNNMKELWCVMDWAVPGLLGSGTYFKKQFSDPVEH
 GQRHTATKRELATGRKAMQRLAKKMSGWFLRR TKTLIKDQLPKKEDRMVYCSLTDFQKAVYQTVLETEDV
 TLILQSSEPTCRSGQKRRNCCYKTNSHGETV KTLYLSYLVTLVQK VANHVALLQAASTSKQQETLIKRIC
 DQVFSRFPDFVQKSKDAAFETLSDPKYSGMKMVLQ LLNHCNRKNDKVL LFSFSTKLLDVLQQYCMASGL
 DYRRLDGSTKSEERLKI VKEFNSTQDVN ICLVSTMAGGLGLNFVGANVVV LFDPTWNPANDLQAIDRAYR
 IGQCRDVKVLR L I S L G T V E E I M Y L R Q I Y K Q L H C V V V G S E N A K R Y F E A V Q G S K E H Q G E L F G I H N L F K F R S
 QGSC L T K D I L E V

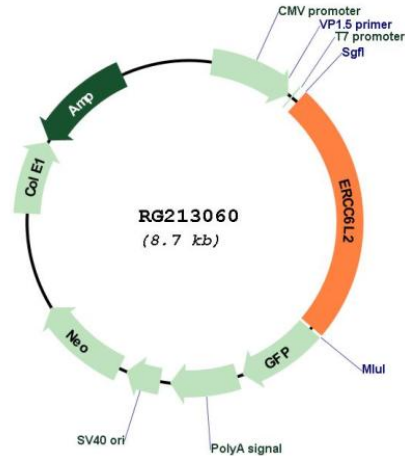
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001010895

ORF Size: 2136 bp

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.

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:

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_001010895.2](#), [NP_001010895.1](#)

RefSeq Size: 2840 bp

RefSeq ORF: 2106 bp

Locus ID: 375748

UniProt ID: [Q5T890](#)

Cytogenetics: 9q22.32

Gene Summary: This gene encodes a member of the Snf2 family of helicase-like proteins. The encoded protein may play a role in DNA repair and mitochondrial function. Mutations in this gene have been associated with bone marrow failure syndrome 2. Alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq, Apr 2014]