

Product datasheet for **RC214109**

RPS26 (NM_001029) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPS26 (NM_001029) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RPS26
Synonyms: DBA10; eS26; S26
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC214109 representing NM_001029
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAAAGAAAAGAAGGAACAATGGTCGTGCCAAAAGGGCCGCGGCCACGTGCAGCCTATTCGCTGCA
CTAACTGTGCCGATGCGTGCCCAAGGACAAGGCCATTAAGAAATTCGTCATTGAAACATAGTGGAGGC
CGCAGCAGTCAGGGACATTTCTGAAGCGAGCGTCTTCGATGCCTATGTGCTTCCAAGCTGTATGTGAAG
CTACATTACTGTGTGAGTTGTGCAATTCACAGCAAAGTAGTCAGGAATCGATCTCGTGAAGCCCGCAAGG
ACCGAACACCCCAACCCGATTTAGACCTGCGGGTGTGCCCCAGTCCCCACCAAAGCCCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214109 representing NM_001029
Red=Cloning site Green=Tags(s)

MTKKRRNNGRAKKGRGHVQPIRCTNCARCVPKDKAIAIKFVIRNIVEAAAVRDISEASVFDAYVLPKLYVK
LHYCVSCAIHSKVVNRNSREARKDRTPPPFRPAGAAPRPPPKPM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8115_b08.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001029

ORF Size: 345 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_001029.5](#)

RefSeq Size: 699 bp

RefSeq ORF: 348 bp

Locus ID: 6231

UniProt ID: [P62854](#)

Cytogenetics: 12q13.2

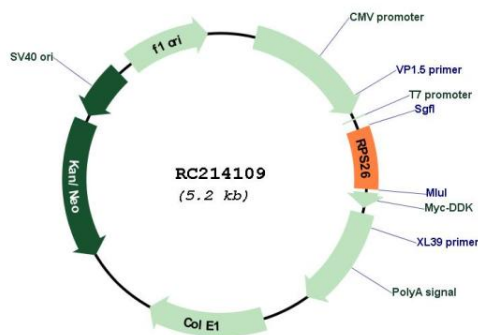
Domains: Ribosomal_S26e

Protein Pathways: Ribosome

MW: 12.8 kDa

Gene Summary: This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S26E family of ribosomal proteins. Mutations in this gene are found in Diamond-Blackfan anemia 10. There are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Aug 2017]

Product images:



Circular map for RC214109