

Product datasheet for MR204232

Cpsf3l (BC008240) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpsf3l (BC008240) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpsf3l
Synonyms:	2410006F12Rik; AU044035
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204232 representing BC008240 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGAGTTTAAGCACATCAAAGCCTTTGACCGGACATTTGCTGACAACCCAGGTCCCATGGTTGTGT
TTGCCACACCTGGGATGCTGCATGCTGGCCAATCCCTGCAAATCTCCGGAAGTGGGCAGGAAATGAGAA
GAACATGGTCATCATGCCTGGTTATTGTGTGCAAGGCACCGTGGGCCACAAGATCCTTAGTGGGCAACGT
AAACTGGAATGGAAGGGCGCCAGATGCTGGAGGTAAGATGCAAGTGAATACATGTCTTCAGCGCCC
ATGCTGATGCCAAGGGCATCATGCAGCTGGTAGGACAAGCGGAGCCCGAGAGTGTGCTGTTGGTGCATGG
CGAAGCCAAGAAGATGGAGTTCCTGAGGCAGAAGATTGAGCAGGAATCCGGGTCAGCTGCTACATGCCG
GCCAATGGTGAGACAGTGACGCTGCCCAAGCCCTAGCATCCCTGTGGGCATCTCCCTGGGATTGCTGA
AGCGGGAGATGGTGCAGGGGCTGTTGCCTGAAGCCAAAAAACCTAGGCTTTTACATGGCACCCCTCATTAT
GAAAGACAGTAATTTCCGGCTGGTATCCTCAGAGCAAGCCCTGAAGGAGCTGGGCCTGGCAGAGCACCAA
CTTCGTTACCTGTGCTGTGCACCTGCAGGACACACGCCAAAGAACAAGAAACAGCTTTACGTGTGTACA
GCCATCTAAGAGCACCCCTCAAGGACCACTGTGTACAGCATCTCCCCGATGGCTCTGTGACTGTGGAGTC
CATTCTAATCCAGGCTGCCGCCATTTCGGAGGACCCTGGTACCAAGGTGCTATTGGTCTCCTGGACTTAC
CAGGATGAAGAGCTGGGAAGCTTCTCAACATTGCTCAAAAATGGCCTTCTCAGGCTCCCAGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204232 representing BC008240
Red=Cloning site Green=Tags(s)

MFEFKHIKAFDRTFADNPGPMVVFATPGLHAGQSLQIFRWAGNEKNMVIMPGYCVQGTGVGHKILSGQR
 KLEMEGRQMLEVKMQVEYMSFSAHADAKGIMQLVGQAEPEVLLVHGEAKKMEFLRQKIEQEFRVSCYMP
 ANGETVTLPTSPSIPVGI SLGLLKREMVQGLLPEAKKPRLLHGTLMKDSNFRLVSEQALKELGLAEHQ
 LRFTRVHLQDTRKEQETALRVYSHLKSTLKDHCVQHLPDGSVTVESILIQAAAHSDEDPGTVLLVSWTY
 QDEELGSFLTLLKNGLPQAPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC008240

ORF Size: 906 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: [BC008240.1](#)

RefSeq Size: 1222 bp

RefSeq ORF: 908 bp

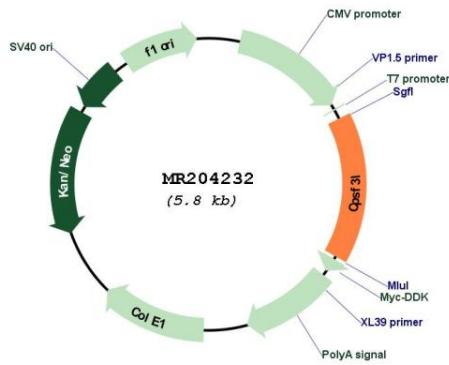
Locus ID: 71957

Cytogenetics: 4 87.66 cM

MW: 44.8 kDa

Gene Summary: Catalytic component of the Integrator complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes. Mediates the snRNAs 3' cleavage. Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204232