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Product datasheet for RG223537

Exosome Component 9 (EXOSC9) (NM_001034194) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exosome Component 9 (EXOSC9) (NM_001034194) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EXOSC9
Synonyms:	p5; p6; PCH1D; PM/Scl-75; PMSCL1; RRP45; Rrp45p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>RG223537 representing NM_001034194
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGAAACGCCACTCTCAAACTGCGAACGCCGCTTCCTACTCCGTGCCATCGAAGAGAAGAAGCGGC
TGGATGGCAGACAAACCTATGATTATAGGAACATCAGGATCTCATTTGGAACAGATTACGGATGCTGCAT
TGTGGAACTTGGAAAAACAAGAGTTCTTGGACAGGTTTCCTGTGAACTTGTGTCTCCAAAACTCAATCGG
GCAACAGAAGGTATTCTTTTTTTTAACCTTGAACTCTCTCAGATGGCCGCTCCAGCTTTCGAACCTGGCA
GGCAGTCAGATCTCTTGGTGAAGTTGAATCGACTCATGGAAAGATGTCTAAGAAATTCGAAGTGTATAGA
CACTGAGTCTCTCTGTGTTGTTGCTGGTGAAAAGGTTTGGCAAATACGTGTAGACCTACATTTATTAAAT
CATGATGGAAATATTATTGATGCTGCCAGCATTGCTGCAATCGTGGCCTTATGTCATTTCCGAAGACCTG
ATGTCTCTGTCCAAGGAGATGAAGTAACACTGTATACACCTGAAGAGCGTGATCCTGTACCATTAAGTAT
CCACCACATGCCCATTTGTGTCAGTTTTGCCTTTTTCCAGCAAGGAACATATTTATTGGTGGATCCCAAT
GAACGAGAAGAACGTGTGATGGATGGCTTGCTGGTGATTGCCATGAACAAACATCGAGAGATTTGTACTA
TCCAGTCCAGTGGTGGGATAATGCTACTAAAAGATCAAGTTCTGAGATGCAGTAAAATCGCTGGTGTGAA
AGTAGCAGAAATTACAGAGCTAATATTGAAAGCTTTGGAGAATGACCAAAAAGTAAGGAAAGAAGGTGGA
AAGTTTGGTTTTGCAGAGTCTATAGCAAATCAAAGGATCACAGCATTTAAAATGGAAAAGGCCCCTATTG
ATACCTCGGATGTAGAAGAAAAAGCAGAAGAAATCATTGCTGAAGCAGAACCTCCTTCAGAAGTTGTTTC
TACACCTGTGCTATGGACTCCTGGAACTGCCCAAATTGGAGAGGGAGTAGAAAACTCCTGGGGTGATCTT
GAAGACTCTGAGAAGGAAGATGATGAAGGCGGTGGTGATCAAGCTATCATTCTTGATGGTATAAAAATGG
ACACTGGAGTAGAAGTCTCTGATATTGGAAGCCAAGAGCTGGGGTTTCACCATGTTGGCCAGACTGGACT
CGAGTTCCTGACCTCAGATGCTCCCATAATACTCTCAGATAGTGAAGAAGAAGAAATGATCATTTTGGAA
CCAGACAAGAATCCAAAGAAAATAAGAACACAGACCACCAGTGCAAAACAAGAAAAAGCACCAAGTAAAA
AGCCAGTGAAAAGAAGAAAAAAGAAGAGAGCTGCCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

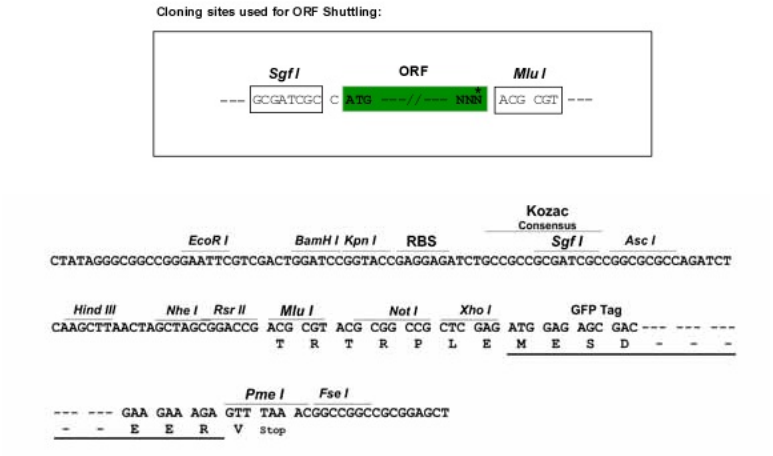
>RG223537 representing NM_001034194
Red=Cloning site Green=Tags(s)

MKETPLSNCERRFLLRAIEEKKRLDGRQTYDYRNIRISFGTDYGCCIVELGKTRVLGQVSCELVSPKLNR
ATEGILFFNLELSQMAAPAFEPGRQSDLLVKLNRLMERCLRNSKCIDTESLCVVAGEKVWQIRVDLHLLN
HDGNIIDAASIAAIVALCHFRRPDVSVQGDEVTLYTPEERDPVPLSIHHMPICVSFAFFQQGTYLLVDPN
EREERVMDGLLVIAMNKHREICTIQSSGGIMLLKDQVLRCSKIAGVKVAEITELILKALENDQKVRKEGG
KFGFAESIANQRITAFKMEKAPIDTSDVEEKAEEIIAEAEPPSEVVSTPVLWTPGTAQIGEGVENSWGDL
EDSEKEDDEGGGDQAIILDGIKMDTGVEVSDIGSQELGFHHVGQTGLEFLTSDAPIILSDSEEEEMIILE
PDKNPKKIRTQTTSAKQEKAPSKKPVKRRKKKRAAN

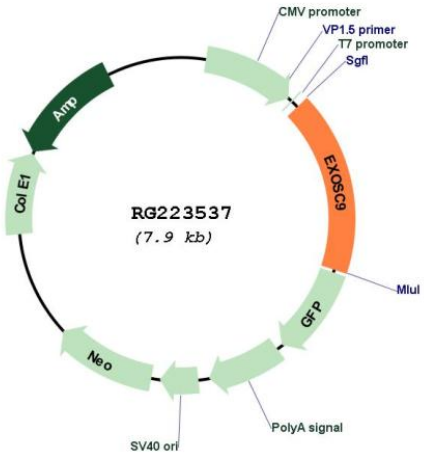
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034194

ORF Size: 1368 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_001034194.2
RefSeq Size:	1644 bp
RefSeq ORF:	1371 bp
Locus ID:	5393
UniProt ID:	Q06265
Cytogenetics:	4q27
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	RNA degradation
Gene Summary:	This gene encodes a component of the human exosome, a exoribonuclease complex which processes and degrades RNA in the nucleus and cytoplasm. This component may play a role in mRNA degradation and the polymyositis/scleroderma autoantigen complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]