

Product datasheet for **RR210134**

Fat3 (NM_138544) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fat3 (NM_138544) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fat3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210134 representing NM_138544 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RR210134 representing NM_138544

Red=Cloning site Green=Tags(s)

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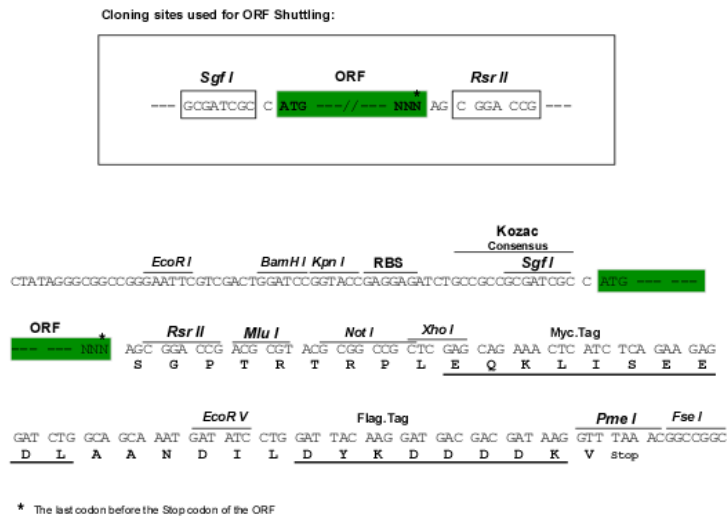
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DENDNAPQFMTLEYRASVRADVGRGHLVTQVQALDPDDGANSRITYSLYSEASVSADLLEIDPONGWMV
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ILPNQSVRFSTVNGERPENNKENVFIIEQETGAIKLDKRLDHEVSPAFHFKAATIPDKVDIVFTVDVD
VKVLDLNDNKPVFETSSYETIIEGMPVGTKLAQVRAIDTDWGANGQVTVSLHSDSHLEKVMFAFNIDS
TGWISTLKDLDHETDPTFSFFVASDLGEAFSLSSMALVSVKVTINDNAPVFAHEVYRGNVKESDPPGE
VVAVLSTLKDTSNINRQVSYHITGGNPRGRFALGMVQSEWKVYKRPLDREEQDIYFLNITASDGLFVT
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VTITVLDINDNPPVFERRDYLTVPEDTSLGTQVLSVFATSKDIGTNAEITYLIRSGNEQKGFRIINPKTG
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LLIAEDVDSKPNQIRFSIVGGDRDNEFAVDPIGLVKVKKLDRERVSGLLIQAVDSGIPAMSSTTT
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ILRSVAVFRHMESPEYLLCIQAKDSGKPPQVSHYIIRVRVIEESTHKPTAIPLEIFIVTMEDDFPGGVIG
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FLSQDQLPPPLPEDFPEQYEALPPSQPSTLTGTMSPCRRRPRFHPSQYLPPHPLPGETDLGGPPSSCDF
STFAVSMNQGETVMAPTDSVSLSLHNSRGTSSSDMSARCGFDDSEVAMSDYESAGELSLTNLHIPFVETQ
HQTQV

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_138544

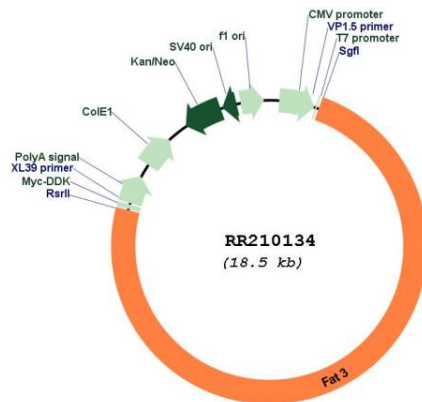
ORF Size: 13665 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_138544.1, NP_612553.1</u>
RefSeq Size:	14492 bp
RefSeq ORF:	13668 bp
Locus ID:	191571
UniProt ID:	<u>Q8R508</u>
Cytogenetics:	8q12
MW:	502.1 kDa
Gene Summary:	member of the mammalian Fat family; similar to a Drosophila tumor suppressor gene [RGD, Feb 2006]

Product images:



Circular map for RR210134