

Product datasheet for **RR217453**

Itga6 (NM_053725) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Itga6 (NM_053725) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Itga6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217453 representing NM_053725
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCCGATCGCC

ATGGCGGTGCGCCGGCAGTTGTGCTTGTCTACCTGTCCGAGGGCTTCTGGCCCGGCTGAGCACAGCTT
TCAACCTGGATACCCGCGAGGACAACGTGATCCGAAAATCGGGGATCCCGGAGCCTCTTCGGCTTCTC
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GTTAACACGAAGCAGGAGTCCCGGGACATCTTCGGAAGGTGTTACGTCCTGAGTCAGAATCTCAGAATTG
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GCATGCATGGAGGAGACGCTCTGGCTGCAGGAAAAATCAGAGACAAGCTGCGCCCCATCCCCATCACGG
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Protein Sequence:

>RR217453 representing NM_053725
 Red=Cloning site Green=Tags(s)

MAVAGQLCLLYLSAGLLARLSTAFNLDTREDNVIRKSGDPGSLFGFSLAMHWQLQPEDKRLLLVGAPRAE
 ALPLQKANRTGGLYSCDITSRGPCTRIVFDNDADPMSESKEDQWMGVTVQSQGGPKVVVCAHRYEKRQH
 VNTKQESRDI FGRCYVLSQNLRIEDDMGGDWSFCDGRLRGHEKFGSCQQGVAATFTKDFHYIVFGAPGT
 YNWKGIVRVEQKNNTFFDMNIFEDGPYEVGGETHDES LVPVPANSYLGFSLDSGKGI VSKDDITFVSGA
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 SPSGICLKVKACFEYTA KPSGYNPPI SILGILEAEKERRK SGLSSRVQFRNQSEPKYTQELTLNRQKQR
 ACMEETLWLQENIRDKLRPI PITASVEIQEPSSRRRVNSLPEVLPILNSNEAKTVQTDVHFLKEGCGDDN
 VCNSNLKLEYKFGTREGNQDKFSYLP IQKGIPELV LKDKQDIALKITVTNGPSDPRNPRKDGDDAHEAKL
 IATFPD TLTY SAYRELRAFPEKQLSCVANQNGSQADCELG NPFKRNSSVTFYLILSTTEVTFD TDL D IN
 LKLETTSNQDNLAPITAKAKVVI ELLLSVSGVAKPSQVYFGGTVVGEQAMKSEEEVGS LIEYEFVRLNG
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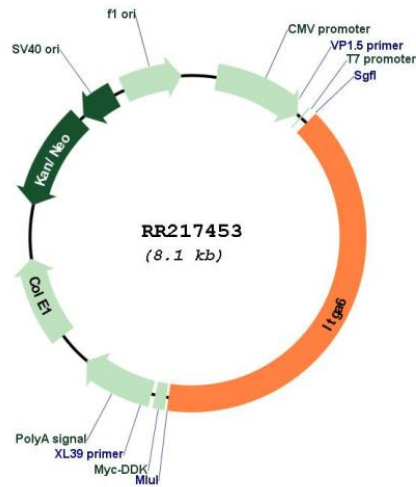
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053725

ORF Size:

3219 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:	<ol style="list-style-type: none">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_053725.1</u> , <u>NP_446177.1</u>
RefSeq Size:	5979 bp
RefSeq ORF:	3222 bp
Locus ID:	114517
Cytogenetics:	3q23
MW:	119.5 kDa
Gene Summary:	forms integrin with beta 4 subunit; involved in tumor progression [RGD, Feb 2006]