

Product datasheet for RN217446

Itga8 (NM_001173972) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itga8 (NM_001173972) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itga8
Synonyms:	RGD1564327
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217446 representing NM_001173972 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCGAGAACCACCGGGTCCCCGGAGAAGTGGGCACCTCCGTTGCTCTGTTGCGTCT
CGGCCGTGCTGGGATGCTGTGGTCCCCGTGTCTCTGGCGTTCAACTTGGACGTAGACAAGCTCACGGT
GTACAGTGGCCCCGAGGGCAGCTACTTCGGCTACTCGCTGGACTTCTACATACCTGATGCGCGCACAGCC
AGTGTCTTGGTGGGGCGCCAAAGCCAACACTAGCCAGCCGGATATCGTAGAAGGGGGAGCTGTCTACT
ACTGTCCCTGGCCTGCAGAGAGGTCTGCACAGTGAAGCAGATACCCTTTGACACCACCAACAACAGGAA
AATCAGAGTTAATGGAACCAAGAGCCTATAGAATTTAAATCAAACCAATGGTTTGGAGCCACAGTGAGA
GCTCACAAGGAAAAGTTGTGGCTTGTGCCCTTTATATCACTGGAGAAGTCTGAAGCCTAATCCAGCAA
AGGACCCGGTTGGCACATGCTATGTAGCAATTCAGAACTTCAGTGCTTACGCTGAGCACTCACCTGTGC
GAACAGCAACGTTGATCCTGAAGCCAAGGTTACTGCCAAGCCGGCTTCAGTCTAGACTTCTATAAGAAT
GGAGACCTTATAGTGGGAGGACCTGGAAGCTTTTACTGGCAAGGTCAGGTGATCACGGTCAGTGTAGCAG
ACATCATTGCAAATTAATCAATCAAGACATTCTCGAAAAGTGGCAGCAGAAAAGCAGACAGATGTGGC
TCCAGCTTCTATGATGACAGTACCTTGGATATTCAGTTGCTGCTGGAGAATTCAGTGGGACTCTCTG
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AGGTCTTACGGGCACAGAGACTTTGGGAGATTCGGTAGTCTGTGGCCCACTTGGGGACCTGAACCA
AGATGGATACAATGATATTGCCATCGGTGTGCCCTTTCAGGCAAGGATCAAAGAGGTAAGTCTCATT
TACAACGAAACGCCAGAGGCTTGCACAGCAAGCCTTCCAAGTCTGCAAGGAATATGGGGTTCACAGA
CCATCCCTTCTGATTCCGCTTTTCTCTAAGAGGAGACGACATAGACAAGAATGATTACCCAGATTT
ACTTGTGGGGCATTGGAGAAGGAAAGTGGCCGTGTACAGAGCAAGGCCAGTTGTAACAGTGGATGCC
CAGCTTCTGTCACCCAATGATTATCAACCTGAAAATAAACTTGCAGATTCAGAATTCAGACTC



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CTGTGGCCTGCTTTTCTTTAAGAGTCTGTGCATCTATAGCAGGCCAGAGCATTTCAAATACAGTAGCCCT
GATGGCCGAGGTGCAGTTAGATTTCTGAAGCAAAAAGGAGCCATCAAACGGACCCTCTTCTCCACAAC
CACCAGTCCCACCTCATCTTCCCCTTCGTGATGAGGCAGCAAAAATCCCTCCACTGCCAGGATTTTATGG
TTTACCTTCGAGATGAACTGAATCCGAGATAAACTGTCTCCAATCAACGTTAGCCTGAACTACAGTTT
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ACTGAGCAGGCTCACATCCTGGTGGACTGTGGAGAAGACAACCTCTGTGTTCTGACTTGAGGCTGTCAG
CTAGACCAGATAAGCAGGAGATAATTATTGGGGATGAAAATCACCTAATGCTCATAATCAATGCAAGGAA
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TCTTGAGAAAACAACATGAGTATTAACCTCGATCTCAAATCAGAAGCTCCAACAAGGACAATCCTGAC
AGCAATTCGTGAGCGTGCAATCAACGCTACTGCCGTGGCTCAGGTGGAATCAGAGGAGTGTCCACC
CTCCCAAATTGTTCTGCCATCCACAACCTGGGAGCCAGCAGAGGAGCCCAAAAGAGGAGGAAGTCGG
TCCCCTGGTTGAACATATTTATGAGCTGCACAATATTGGACCCAGCACCATCAGTGACAGCATTCTCGAA
GTGGGCTGGCCATTCTCTGCACGGGAGGAGTTCCTCCTATGTCTTTCATCTTCAAACCTGGGACCTC
TACAATGTCAAACAAATCCTGAGATCAACCCGAGGATATAAAGCCTGCTGCCTCCCAGAGGATACCCC
TGAGCTCAGCGCCTTCTTAAGAAATGCTACAATCCCCATCTTGTGAGGAAGAGGGATGTGCCAGTGGTC
CAGCCCCACAGACAGAGCCCGGCAAAAATACTGAACTGTACCAACATTGACTGCTTGCAAAATCTCGTGTG
CAGTGGGTGCGCTGGGAGGAGGAGAAAGTGCAGTTCTGAAGGTCAGATCGAGATTGTGGGCGCACACATT
CCTCCAGAGAAAGAACGACCCTTATGCTCTTGCATCCCTGGTGTCTTTGAAGTCAAGAAGATACCTTAT
AAAGAGCAGCCAGCAAACTGCCAGCCGGGAGCACAGCGATTAAAGACATCGGTTATTTGGCCACTCCAA
ATGTCTCCTTCTCAATTCACCTGTGGGTGATAAATACTAGCGATCCTTCTGGCTTGCTGGTCTGGCCAT
CTTAACCTTAGCTTATGGAAGTGTGGATTCTTTGATAGAGACCTCCTCAGGATGAAATGACAGAC
AGGGAACAACCTGACCAGTGACAAGACCCCGGAGGCTGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001173972
- Insert Size:** 3189 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001173972.1](#), [NP_001167443.1](#)
RefSeq Size: 5896 bp
RefSeq ORF: 3189 bp
Locus ID: 364786
Cytogenetics: 17q12.3
Gene Summary: acts as a receptor for fibronectin; may be a receptor of matrix ligands and function in glomerular capillary tuft development and physiology [RGD, Feb 2006]