

Product datasheet for MC223432

Itga8 (NM_001001309) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Itga8 (NM_001001309) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Itga8
 Synonyms: AI447669
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC223432 representing NM_001001309
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTGCGGGAACCCACTGTGGTCCCCGGGGAACCGGCACCTCCGTTGCGCGTCTCTGTTGCGTCT
 CGGCCGCGCTGGGATGCTGTGGTCCCCGCGTGTCTGGCGTTCAACTTGGATGTGGACAAGCTCACTGT
 GTACAGTGGCCCCGAGGGCAGCTACTTCGGCTACTCACTGGACTTCTACATACCTGATGCGCGCACAGCC
 AGTGTCTTAGTGGGGCACCCAAAGCCAACACTAGCCAGCCGGATATCGTAGAAGGGGGAGCTGTCTACT
 ACTGTCCCTGGCCCTCAGAGAGGTCTGCACAGTGAAGCAGATACCGTTTGACACCACCAACAACAGGAA
 AATCAGAGTTAATGGAACCAAGAACCTATAGAATTTAAATCAAACCAGTGGTTTGGAGCCACAGTGAGA
 GCTCACAAGGAAAAGTTGTGGCTTGTGCCCTTTGTATCACTGGAGAATCTGAAACCTAATCCAGCGA
 AGGACCCAGTTGGCACATGCTATGTAGCAATTCAGAAATTCAGTGCCTATGCTGAGCACTCACCTTGTGC
 AAACAGCAATGCTGATCCCGAAGCCAAGGTTACTGCCAGGCAGGTTTAGCCTAGACTTCTATAAGAAT
 GGAGACCTTATAGTGGGAGGACCTGGAAGTTTTACTGGCAAGGTCAGGTGATCACTGTCAGTATAGCAG
 ACATCATTGCAAATTAATCAAGGATATTCTACGAAAATGGCCCGCAGAAAAGCAGACAGCGTGGC
 TCCAGTTCCTATGATGACAGTACCTTGGATATTTCGGTCGCTGCTGGAGAATCACTGGGGACTCTCAG
 CAAGAATTGGTGGCTGGGATTCCAAGAGGAGCACAGAATTTGGATATGTCTCCATCATTAACTCCACAG
 ACATGACCTTCATTGAGAATTTACTGGTGGAGCAGATGGCATCTTATTTGCGATATACTGTTGTGGTATC
 AGATGTTAAACAATGATGGCATGGATGACATATTGGTCGGGGCACCTCTCTTTATGGAGCGAGAATTTGAA
 AGTAACCCTAGAGAAGTGGGACAGGTCTACTTGTACCTTCAAGCAAGCGCCCTCTCTTCCAAGACCCAC
 AGGTCCTCACCGCACGGAGACATTTGGGAGATTTGGTAGCTCTGTGGCCCACTTGGGGACCTGAACCA
 AGATGGATACAATGACATCGCCATCGGTGTGCCCTTTCAGGCAAGGATCAACGAGGTAAGTCCCTCATT
 TACAATGGAACCCAAGAGGTTTACACAGCAAGCCTTCCAAGTCTGCAAGGAATATGGGGGTCACAGA
 CCATCCCTTCTGGATTTGGCTTTTCTCTAAGAGGAGATGCAGACATAGACAAGAATGATTACCCAGATTT
 GCTTGTAGGGGCAATTTGAAAAGGGAAAGTAGCTGTTTACAGAGCAAGGCCAGTTGTAACCGTGGATGCC
 CAGCTTCTGTCACCCGATGATTATCAACCTGAAAATAAACTTGCCAGATTCAGAATTCCTACTC



```

CTGTGGCCTGCTTTTCTGTAAGAGTCTGTGCATCTATAGCAGGCCAGAGCATTTCAAATACAATAGCCCT
GCTGGCCGAGGTGCAGTTAGATTTCTGAAGCAAAAAGGAGCCATCAAACGGACGCTCTTTCTCCACAAC
CACCAGTCCCATTTCACCTTCCCCTTTGTGATGAAGCAGCAGAAAATCCCTCCACTGCCAGGATTTTATGG
TTTACCTTCGGGATGAACTGAATTCGAGATAAATTGTCTCCAATCAACATCAGCCTGAACTACAGTTT
GGATGATTCTACCTTTAAAGACAGCCTGGAAGTGAAGCCAATTTGAACCACTACAGGGACAATGTAGTT
ACTGAGCAGGCTCACATCCTGGTGGACTGTGGAGAAGACAATCTATGCGTTCCTGACTGAAGCTGCAG
CTAGACCAGATAAGCATCAGATAATTATTGGCGATGAAAATCACCTAATGCTCATAATAAATGCAAGAAA
TGAGGGAGAAGGGGCTACGAAGCCGAACCTTTTGTATCATCCCGAAGAAGCAGATTATGTTGGGATT
GAGCGCAACAACAAGGGACTGAGGCCCTGAGTTGTGAGTACAAGATGGAACGTTGACCAGGATGGTGG
TGTGTGACCTTGGGAACCCGATGGTGACTGGAACAAATTTTCTCTGGGCTCCGATTTGCTGTTCTCG
CCTTGAGAAAACAAATAGCATTAACTTCGATCTCAAATCAGAAGCTCCAATAAGGACAATCCTGAC
AGCAACTTCGAGCGTGTACAGATCAACATCACTGCCATTGCTCAGGTCGAAATCAGAGGAGTGTCCACC
CTCCGAGATTGTTCTGCCATCCACAACCTGGAAACCAGAAAAGAAGCCACAAAAGAGGAGGAAGTCGG
TCCTTTGGTTGAGCATATTTATGAGCTGCACAATATTGGACCCAGCACCATCAGTGACAGCATTCTTGAC
GTGGGCTGGCCGTTCTCTGCACGGGATGAGTTTCTCTCTATATTTTTCATCTTCAAACCTCTGGACCTC
TACAATGTCAAACAAATCCTGAGATCAACCCACAGGATATAAAGCCTGCTGCCTCCCAGAGGATACCC
TGAGCTCAGTGCCTTCTTAAGAAATGCTACAATCCCCATCTTGTGAGAAAGAGGGATGTGCCAGTGGTC
CAGCTCCACAGACAGAGCCCTGCAAGAATACTGAACTGTACCAACATTGACTGCTTGCAAAATCTCTGTG
CAGTGGGTGCGCTGGGAGGAGGCGAAAGTGCAGTCCTAAAGGTCAGATCGAGATTGTGGGCCACACGTT
CCTCAAGAGAAAGAAATGATCATTATGCTCTTGCATCCCTGGTGTCTTTGAAAGTCAAGAAGATGCCGAT
AAAGAACAGCCAGCAAAGCTGCCAGCGGGAGCACAGCGGTTAAGACGTCGGTTATTTGGCCACTCCGA
ATGTCTCCTTCTCAATTCATTGTGGGTGATAATACTAGCGATCCTTCTGGTTGCTGGTTCTGGCTAT
CTTAACCTTAGCTTTATGGAAGTGTGGATTCTTTGATAGAGAACCTCCTCAGGATGAAATGACAGAC
AGGGAACAACCTGACCAGTGACAAGACCCAGAGGCGTGA

```

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001001309

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).

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_001001309.2](#), [NP_001001309.1](#)

RefSeq Size:

5782 bp

RefSeq ORF: 3189 bp

Locus ID: 241226

UniProt ID: [A2ARA8](#)

Cytogenetics: 2 9.12 cM

Gene Summary: This gene encodes a member of the integrin family of cell surface proteins that mediate cellular interactions with the extracellular matrix and other cells. The encoded protein undergoes proteolytic processing to generate the disulfide-linked heterodimeric alpha subunit which, in turn associates with a beta subunit to form the functional integrin receptor. Mice lacking the encoded protein mostly die after birth due to kidney defects, but some of animals that survive exhibit defects in the sensory hair cells of the inner ear. [provided by RefSeq, Aug 2016]