

Product datasheet for **SC117063**

ITM2A (NM_004867) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITM2A (NM_004867) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITM2A
Synonyms:	BRICD2A; E25A
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC117063 sequence for NM_004867 edited (data generated by NextGen Sequencing)

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ATGGTGAAAATCGCCTTCAATACCCCTACCGCCGTGCAAAGGAGGAGGCGCGGCAAGAC
GTGGAGGCCCTCCTGAGCCGCACGGTCAGAACTCAGATACTGACCGGCAAGGAGCTCCGA
GTTGCCACCCAGGAAAAAGAGGGCTCCTCTGGGAGATGTATGCTTACTCTTTAGGCCTT
TCATTCATCTTGGCAGGACTTATTGTTGGTGGAGCCTGCATTTACAAGTACTTCATGCC
AAGAGCACCATTACCGTGGAGAGATGTGCTTTTTTATTCTGAGGATCCTGCAAATTC
CTTCGTGGAGGAGAGCCTAACTTCTGCCTGTGACTGAGGAGGCTGACATTCGTGAGGAT
GACAACATTGCAATCATTGATGTGCCTGTCCCCAGTTTCTCTGATAGTGACCCTGCAGCA
ATTATTGACTTTGAAAAGGGAATGACTGCTTACCTGGACTTGTGCTGGGGAAGTGC
TATCTGATGCCCCCAATACTTCTATTGTTATGCCTCCAAAAAATCTGGTAGAGCTTTT
GGCAAAGTGGCGAGTGGCAGATATCTGCCTCAAACCTTATGTGGTTCGAGAAGACCTAGTT
GCTGTGGAGGAAATTCGTGATGTTAGTAACCTTGGCATCTTTATTTACCAACTTTGCAAT
AACAGAAAGTCTTCCGCCTTCGTGCGCAGAGACCTCTTGCTGGGTTTCAACAAACGTGCC
ATTGATAAATGCTGGAAGATTAGACACTCCCCAACGAATTTATTGTTGAGACCAAGATC
TGCAAGAGTAA
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Clone variation with respect to NM_004867.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004867 unedited TAGGGCGGCCCGGATTCGGCACGAGGAAAAGTAAGTGCTGTTTGGGCTAACAGGATCTCC TCTTGCACTCTGCAGCCCAGGACGCTGATTCCAGCAGCGCCTTACCGCGCAGCCGAAGA TTCATATGGTGAAAAATCGCCTTCAATACCCTACCGCGTGCAAAGGAGGAGGCGCGG CAAGACGTGGAGGCCCTCCTGAGCCGCACGGTCAGAACTCAGATACTGACCGCAAGGAG CTCCGAGTTGCCACCCAGGAAAAAGAGGGCTCCTCTGGGAGATGTATGCTTACTCTTA GGCCTTTTCATTCATCTTGGCAGGACTTATTGTTGGTGGAGCCTGCATTTACAAGTACTTC ATGCCCAAGAGCACCATTTACCGTGGAGAGATGTGCTTTTTTGGATTCTGAGGATCCTGCA AATTCCCTTCGTGGAGGAGAGCCTAACTTCTGCCTGTGACTGAGGAGGCTGACATTCGT GAGGATGACAACATTGCAATCATTGATGTGCCTGTCCCCAGTTTCTCTGATAGTGACCT GCAGCAATTATTCATGACTTTGAAAAGGAATGACTGCTTACCTGNACTTGTGTGGGG AACTGCTATCTGATGCCCTCAATACTTCTATTGTTATGCCTCAAAAAATCTGGTAGAG CTCTTTGGCAACTGGCGAGTGGCAGATATCTGCCTCAACTATGTGGTTCGAGAAGACCT AGTTGCTGTGGAGAAATTCGTGNATGTAGTACCNTGGCATCTTTATTTACCAACTTTGCA TAACAGAAAGTCCTTCCGCTTCGTGCGAGAGACCTCTTGGCTGGNTTCAACAAACGTGC CATTGATAAATGTGGAAGATANACACTTCCCACGAATTTATTGTTGAGACCAGAAGTGT CAGAGTAGAAGCACAN
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004867 unedited GCAACTCTCCAGGTCCAGAAGNAGCACTGGGGCAGGGGTACAGGGATGCCACCCGGGAT CTGTTCCAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTT TTTAAAGCATAAGCAATAGAGTAAATGCATGAGTAAATATCTTGAGTATCCATAAACCT TAATGTTAAAGTCATATTGTAATCTCTGACTTCTTATTACCAAGGACACTCTATCTGTT GCCTCTTACTCTTGACAGATCTGGTCTCAACAATAAATTCGTTGGGGAAGTGTCTAATC TTCCAGCATTTATCAATGGCACGTTTGTGAAACCCAGCAAGAGGTCTCTGCGACGAAGG CGGAAGGACTTTCTGTTATTGCAAAGTTGGTAAATAAAGATGCCAAGTTACTAACATCA CGAATTTCTCCACAGCAACTAGGTCTTCTCGAACCCACATAAGTTTGAGGCAGATATCTG CCTCTCGCCAGTTTGCCAAAGAGCTCTACCAGATTTTTTGGAGGCATAACAATAGAAGTA TTGAGGGGCATCAGATAGCAGTTCCCCAGCAACAAGTCCAGGTAAGCAGTCATTCCTTTT TCAAAGTCATGAATAATTGCTGCAGGGTCACTATCAGAGAAACTGGGACAGGCACATCA ATGATTGCAATGTTGTATCCTCACGAATGTCAGCCTNCTCAGTCACAGGCAGGAAAGTA GGCTCTCTCCACGAAGGGAATTTGCANGATCCTCAGATCAAAAAGCACATCTCTCACGG TAATGGTGCTCTTGGCATGAAGTACTGTAATGCANGCNNTCACAACATAAGTCTGCCAGA AGAATGAAAGGCCTAGAGAGTAGCATCATCTCCANAGGAGCCTCTTTNCTGGGTGGGC ACTCGACTCCTTGCCGGCANTATCTGGAG
Restriction Sites:	NotI-NotI
ACCN:	NM_004867
Insert Size:	1110 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).
RefSeq:	NM_004867.3 , NP_004858.1
RefSeq Size:	1874 bp
RefSeq ORF:	792 bp
Locus ID:	9452

UniProt ID: [O43736](#)

Domains: BRICHOS

Protein Families: Transmembrane

Gene Summary: This gene encodes a type II membrane protein that belongs to the ITM2 family. Studies in mouse suggest that it may be involved in osteo- and chondrogenic differentiation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]
Transcript Variant: This variant (1) encodes the longer isoform (1).