

Product datasheet for **MC200128**

Unc45a (NM_133952) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc45a (NM_133952) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Unc45a
Synonyms:	AW538196
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>BC004717 sequence for NM_133952
 GCGGGCAGTCGCCGCATCTCGCGGATCCCAGGGACACCTTTGCTCTAAAGACTGCGCCTGCACTGGCT
 CTTGGAGCTTAGCTTCGTGATGACTGTGAGTGGCCCGAGACCCCGAGCCCGACCTTCCGACCCCGGG
 GCCAGCTCAGCCGAGCAGCTGCGGAAGGAGGGCAACGAGCTGTTCAAATGCGGGGATTACGAGGGCGCCC
 TGACCCGCTACACACAGGCCCTGAGTCTCGGCGCAGCCCGAGGACCAGGCCATTTTGCACCGAAACAG
 GGCTGCTTGCCACCTCAAGCTGGAAGATTACAGCAAAGCAGAATCAGAGGCGTCTAAAGCCATTGAAAAG
 GACGGTGGGGATGTCAAAGCGCTCTATCGCCGAAGCCAAGCCCTAGAGAAGCTGGGCCCTGGACCAGG
 CTGTCCTTGACCTGAAGAGATGTGTGAGCCTAGAACCCTAAGAACAAGTTTTCCAGGAGTCGCTGAGGAA
 CATTGGGGGCCAGATTACAGGAGAAGGTGCGGTACATGTCCTCCACAGATGCCAAAGTAGAACAGATGTTT
 CAGATACTGTTGGACCCCAAAGAGAAAAGGCACGGAGAAGAAGCAGAAGGCTTCTCAGAACCTTGTGGTAC
 TGGCCCGAGAGGATGCTGGAGCTGAGAAGATCTCCGGAGCAACGGGGTTCAGCTTTCAGCGCCTGCT
 GGACACAGAAGAGACTGACCTCATGCTGGCAGCCCTGCGCAGCTGGTCGGCATTGCTCCGAGCACCAG
 TCGCGGACAGTGGCAACCCTGAGTGTCTGGAACTCGGAGAGTCGTCTCCATCTGGGTGTGAAAACC
 AGGCCGTGTCGCTGGCAGCTTGCCACCTGCTGCAGTTATCTTTGATGCCCTCAAGGAAGGCGTCAAGAA
 AGGCTTCCGAGGCAAAGAAGGTGCTATTATCGTGGATCCTGCCCGGAGCTGAAGTTTCTCATCAATAGC
 CTCTGGAGCTACTGACCGAGGTGGGGTCTCTGGCCAAGGCCGCGACAATGCCCTGACCCCTCTCATTAA
 AATGGTACCCCGAAATCACCAAGGACCCCAACAATAGCCTCACACTCTGGGTCAATTGATCAAGGTCT
 GAAGAAGATTCTGGAGGTGGCGGCTCCCTGCAGGATGCTGCTGGTGAGCTCACGGTGACGGCAAACAGC
 CGCATGAGTGCCTCCATCCTCCTGAGCAAGCTGTTTGTATGATCTGAAGTGTGATGCCGAGCGAGAAAAC
 TCCACCGACTCTGTGAGAACTACATCAGGAGCTGGTTTGAAGGCCATGGCTGGCCGGGAAGCTACGAGC
 CATCCAGACAGTGTCTGCTTCTGTCAGGGCCATGCGACGCTGGCAACCGGGCCTTAGAGCTGAGCGGT
 GTCATGGAGAGCGTGTGCTCTGTGCGCCTCCGAGCGGGAGGAAGAGCAGCTGGTAGCCGTGGAGGCAC
 TGATCCACGCTGCCGGCAAAGCCAAGCGGCCTGTTTCACTGCCAACGGTGTCTCTGCTCAAGGA
 CCTGTACAAGGGCAGCGAGAGGGACAGCATCCGCATCAGAGCACTAGTGGGACTCTGTAAGCTCGGATCG
 GCTGGAGGGACTGACTTACAGCATGAAGCAGTTTGTGAAGGCTCTACCCTCAAAGTGGCCAAAGCAGTGC
 GAAAGTGGCTATGCAATGACCAGATCGATGCGGGTACTCGGCGCTGGCAGTGGAGGGCCTGGCTTACCT
 CACCTTTGATGCGGACGTGAAGGAAGAGTTTGTGGAGGACGAGGCTGCTCTGAAGGCCCTGTTCCAGCTA
 AGCAGGTCTGAAGAAAGGTGAGTCTTTGCCGTAGGCTCGGCATTGGTCAATTGCACCAACAGCTACG
 ACTATGAGGAGCCTGACCCCAAGATGGTGGAGCTGGCCAAGTATGCCAAGCAGCAGTTCAGAACAGCA
 CCCTAAGGACAAACCAAGCTTCGTGCGGGCTCGTGTGAAGAAGCTGCTGGCGGCAGGTGTGGTGTACGCC
 ATGACGTGTATGGTGAAGACGGAGAGCCCGTGTGACGAACTCTGTAGGGAGCTACTCTCCAGGGTCT
 TCTTGGCTTTGGTGAAGAGGTGGAGGATCGAGGTAAGTGTGGTTGCCAGGGAGGGGCAAGGCTCTGCT
 CCCCTGGCTCTGGAAGGCACTGATGTTGGCAGACCAAGGCCGCGCCAGGCTCTTGCCAAGCTGACCATT
 ACCTCAAACCCAGAGATGACCTTCTCGGCGAGCGGATCTACGAAGTAGTCCGGCCCTTGTCTCTCTGC
 TGCACCTCAGCTGCTCAGGACTGCAGAACTTTGAGGCCCTCATGGCCCTAACAAACCTGGCAGGGATCAG
 CGAGAGGCTCAGGCGAAGATCCTGAAGGAGAAGGCTGTGCCATGATTGAGGGCTACATGTTTGAAGGAG
 CATGAGATGATCCGCCGCGCAGTACCGAGTGCATGTGTAACCTTAGCCATGAGCAAAGAGGTGCAAGATC
 TCTTCGAGGCCAGGGCAATGACCGCTGAAGCTGCTGGTGTGTACAGCGGCGAGGATGATGAGCTGCT
 GCGGAGGGCGGCTGCTGGGGCCTGGCCATGCTCACCTCCATGCGGCCCACTCTGCAGTCTGATCCCT
 CAAGTGACCACACTGGCTGGAGATCTTGACAGGCCCTGCTCCTCAGCCCAACCAGGAGCTGCAGCACCC
 GGGCACCGTGGTGTGTAACATGATGACGCTTTCGAAGGAGATCGCCGGCACCTGATGGAGAGTGA
 GGTCTGGAGATCCTGTGAGTGTGGCCAAGGTTGAGGAGAGCCAGTACCAGGGCTGCCGAGCCTGC
 CTGGAGAAAGCAGTGGAAATAGACTCATCAACCCAAACAGGATGGAGAGTACGATCGGCCCGGGGCC
 CACAGCTCAGCATCTGTACCCATCACAGCTCTGAGTACGACTGGGATGCTCGATACTGCTCGCCT
 CCACAGCTGCCACAGTTGCACTTTGGTGTCTCAGGACACACAGCATACAGCCCTGCCCTGCCAGCACTC
 AGGAGGGCCCTGTCTGTACTGTAGAGAGCTGAGGCTGGGGACGTACATCCATTCAAGCCTGTGGATTA
 TGGGCATCAAGAAGGAAGGACACAACAGCATCCTCACATGCTGGGAGCATCATCAGAGCCTGCCAGCAGG
 CTCACCCCGCTAATAAATCTGTGGAACAAAAAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:

NM_133952

Insert Size:	2835 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:	<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>BC004717</u> , <u>AAH04717</u>
RefSeq Size:	3264 bp
RefSeq ORF:	2835 bp
Locus ID:	101869
UniProt ID:	<u>Q99KD5</u>
Cytogenetics:	7 D2
Gene Summary:	May act as co-chaperone for HSP90 (Potential). Prevents the stimulation of HSP90AB1 ATPase activity by AHSA1. Positive factor in promoting PGR function in the cell (By similarity). May be necessary for proper folding of myosin (Potential). Necessary for normal cell proliferation. Necessary for normal myotube formation and myosin accumulation during muscle cell development. May play a role in erythropoiesis in stroma cells in the spleen. [UniProtKB/Swiss-Prot Function]