

Product datasheet for **RN208802**

Unc45a (NM_001037647) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc45a (NM_001037647) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Unc45a
Synonyms:	RGD1305357
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN208802 representing NM_001037647

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGACTGTGAGTGGTCCGGGGACCCCGAGCCCGACCTCCGACCCCGGGGCCAGCTCAGCCGAGGAGC
TGCAGGAAGGAGGGCAACGAGCTGTTCAAATGCGGGGATTACGAGGGCGCCTTGACCGCCTACACCCAGGC
CCTGAGTCTTGCGCGACACCCAGGACAGGCTATTTTGCACCGAAACCGGGCTGCTTGCCACCTCAAG
CTGGAAGATTACAGCAAAGCAGAATCAGAGGCATCTAAAGCCATTGAAAAGGACGGTGGGGATGTCAAAG
CACTTTATCGACGAAGCAAGCCCTAGAGAAGCTGGGCCGCTGGACAGGCTGTCTTGACCTGAAGAG
ATGTGTGAGCCTAGAACCAAGAACAAGTTTCCAGGAGTCCCTGAGGAACATTGGGGGCCAGATTGAG
GAGAAGGTGCGGTACATGTCTCCACAGATGCCAAAGTGAACAGATGTTTCAGATACTGTTGGACCCCA
AAGAGAAAGGCACAGAGAAGAAGCAGAAGGCTTCTCAGAACCTTGTTGTTACTGGCCCGAGAGGATGCTGG
AGCCGAGAAGATCTTCCGGAGCAATGGGGTTCAGCTTTTGCAGCGCCTACTGGACACGGGAGAGACTGAC
CTCATGTCTGGCAGCCCTGCGCACACTGGTCGGCATTTGCTCTGAGCACCAGTCTCGGACAGTGGCGACCC
TGAGTGTCTAGGAACCTGGAGAGTCTGCTCCATCCTGGGTGTGGAACACAGGCTGTGTGCTGGCAGC
CTGCCACCTGCTGCAGGTTATGTTTGTGACCTCAAGGAAGGCGTCAAGAAAGGCTTCCGAGGCAAGAA
GGTGCCATTATCGTGGATCCTGCCCGGGAGCTGAAGGTTCTCATCAGTAACCTCTTGAGGCTTCTGACTG
AGATAGGGGTCTCTGGCAAGGCCGGGACAATGCCCTGACCTCCTCATTAAATGGTACCTCGGAAGTC
ACCGAAAGATCCCAACAACAGCCTCACACTCTGGGTATTGATCAAGGTCTGAAAAGATTCTGGAGGTG
GGGGGCTCTGTGCCGAGGCCCGGGGAGCTCACGGTGACCGCAACAGCCGCATGAGTGCCTCCATCC
TCCTCAGCAAGCTGTTTGTGACCTAAAGTGCATGCTGAGCGGGAGAACTCCACCGACTCTGTGAGAA
CTACATCAGGAGCTGGTTTGAAGGCCAAGGGCTGGCCGGGAAGCTGCGAGCCATCCAGACAGTGTCTGCTG
CTTCTGACGGGCCATGTGACGCTGGCAACCGGGCCTTAGAGCTGAGCGGTGTATGGAGAGTGTGATCG
CTCTCTGCGCCTCAGAGCAGGAGGAAGAAGCAGCTGGTGGCAGTGAAGCACTGATCCATGACGCCGGCAA
AGCCAAGCGAGCCTCATTATCACTGCCAATGGCGTCGCGCTGCTCAAGGACCTGTACAAGGCACTGAG
AGGGACAGCATCCGCATCAGAGCACTAGTGGGACTCTGTAAGCTCGGATCAGCTGGAGGGACTGACTTTA
GCATGAAGCAGTTTGTGAAGGCTCTACTCTCAAAGTGGCAAGCAGTCCGAAAGTGGCTATGCAATGA
CCAGATTGATGCGGGTACTCGGCGCTGGGCACTGGAGGGCTGGCGTACCTCACCTTTGACGCTGATGTG
AAGGAAGAGTTTGTGGAGGACGAGGCTGCTCTGAAGGCCCTGTTCCAGCTCAGCAGGTCTGAAGAGAGGT
CGGTACTCTTTGCCGTAGGCTCGGCCCTGGTCAATTGCACCAACAGCTATGACTATGAGGAGCCTGACCC
CAAGATGGTGGAGCTGGCTAAGTATGCCAAGCAGCACGTGCCTGAACAGCACCCCAAGGCAAAACCAAGC
TTCGTGCGGGCTCGTGTGAAGAAGCTGTGGCAGCGGGTGTGGTGTGAGCCATGACGTGTATGGTGAAGA
CGGAGAGCCCAGTGCTGACGAACCTGTAGGGAGCTACTCTCCAGGGTCTTCTGGCTTTGGTGAAGA
GGTGGAGGATCGAGGTACCGTGGTTGCCAGGGAGGGGGCAAGGCCCTGCTCCGCTGGCCCTGGAGGGC
ACCGACGTCCGGCAGACGAAGGCAGCACAGGCTCTTGCTAAGCTCACCATCACCTCCAACCCAGAGATGA
CCTTTCTGGTGAGCGGATCTACGAAGTAGTCCGGCCCTTGTCTCTGCTGCACCTCAGTTGCTCAGG
ACTGCAGAACTTTGAGGCCCTCATGGCCCTAACGAACCTGGCCGGGATCAGTGAGAGGCTTAGACAGAAG
ATCCTGAAGGAGAAGGCCGTGCCATGATTGAGGGCTACATGTTTGAAGGAGCATGAGATGATCCGCGGG
CAGCTACAGAGTGCATGTGTAACCTAGCCATGAGCAAAAGAGGTACAGGATCTCTTGAAGCCAGGGCAA
CGACCGGTTGAAGCTGCTGGTGTGTACAGCGGAGAAGATGATGAGCTTCTGCGGAGGGCTGCTGCCGT
GGCCTGGCCATGCTCACCTCCATGCGGCCCTCACTCTGCAGCCGTATCCACAAGTGACCACGCACTGGC
TGGAGATCCTGCAGGCCCTGCTTCTGAGCCCCAATCCGGAGCTGCAGCACCGGGGCACTGCTGTTGCTGCT
GAACATGATGGAGTCTCGAAGGAGATCGCCAGCACCTGATGGAGAGCGAGGCTCTGGAGATCCTGTCA
GTGTTGGCCAAGGGCGAGGAGAGCCAGTCACCAGGGCTGCTGCAGCCTGTCTGGAGAAAGCCGTGGAAT
ATAGACTTATCCAACCAACCAGGATGGGGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001037647
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:	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_001037647.1, NP_001032736.1</u>
RefSeq Size:	3335 bp
RefSeq ORF:	2835 bp
Locus ID:	308759
UniProt ID:	<u>Q32PZ3</u>
Cytogenetics:	1q31
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 (By similarity). [UniProtKB/Swiss-Prot Function]