OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC223425

Usp53 (NM_133857) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp53 (NM_133857) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp53
Synonyms:	AA939927; mbo; mKIAA1350; Phxr3; Sp6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223425 representing NM_133857 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCTGGGTAAAATTTTTACGGAAGCCTAGCGGCAATCTTGGCAAAGCTTATCAAGCTGGAAGCCTGC TGTCCCTAGCCCCTACTGTGGGCTTGTTAAACGAGCCAGGGCAGAACAGCTGCTTTCTAAACAGTGCTGT ACAGGTTTTATGGCAATTAGATATATTCCGAAGAAGCTTGAGAGCTCTGACTGGACACATATGTCAGGGA GATGCCTGTATATTTTGTGCATTGAAGACAATATTTGCACAATTTCAACACAGTCGAGAAAAAGCACTTC CCTCAGATAACATAAGGCATGCTCTTGCAGAAAGCTTCAAAGATGAGCAGAGATTTCAGCTTGGCCTCAT GGATGATGCTGCCGAGTGCTTTGAAAATATATTGGCAAGAATTCATTTTCACCTGGTGCCAAACAGGGAC GCAGACATGTGCACCTCTAAGTCTTGTGTGACTCATCAGAAGTTTGCCATGACTCTGTATGAGCAGTGTG TGTGCCGGAGCTGTGGCGCTTCCTCAGACCCTCTGCCCTTTACCGAACTCGTGAGGTACATTTCTACAAC AGCCCTGTGCAATGAAGTTGAAAGAATGATGGAAAGGCATGAGCGAGTTAAACCAGAGATGTTTGCGGAA CTGTTGCAAGCTGCAAACACAGCAGATGACTATCGGAAGTGTCCTAGTAACTGTGGCCAAAAAATAAAAA TCCGCCGTGTTTTAATGAATTGCCCAGAGATTGTTACAATTGGATTAGTGTGGGACTCCGAGCACTCAGA CTTGACTGAAGATGTTGTTCGAAGTCTAGCCACGCATCTCTACCTTCCTGGGCTTTTTTATAGGGTCACT GATGAGAATGCCACAGACAGCGAGCTGCACCTTGTGGGTATGATCTGTTACACCAGCCGACACTACTGTG CCTTTGCTTTTCACACCAAGAGCTCCAAGTGGGTGTTTTTTGATGATGCACACGTGAAGGAGATGGGAAC CAGATGGAAAGATGTGGTCTCCAAGTGCATACGATGCCACTTACAGCCCCTTTTGCTGTTTTATGCAAAC CCGGATGGTACAGCGGTCTCTACTGAGGATGCACTCAGGCAGGTTGTCCACTGGTCACATTACAGATCGG GTGAAGAAAACATGGGATGTGGAAAGCCTATCATTTATAAACCAGATAATTCAAAGGAAAATGGATTTGG TGGTCAGACGAAACAGAAAGAAAATCACAAATTTCAAACTGATATTTCCTCACTTAATCGGAGCCAAATG CAGACAAGTGGGAGGAGAGCACCAGTTAAGTTAAGCCATGATCAAAGAGAAAAGATAAAAGACATTTCCA GAGAATGTGCTCTGAAAGCCATTGAACAGAAAAATGCACTTTCTTCTCAACGGAAAGATTTAGAAAAGGG ACAGAGGAAAGATACAGGCCGACACAGGGATTTGGTTGATGAAGTCTTGGCATCTTTCAAGTCCGGATCA CCTCCTGCCTCGGATGGCTTTAGACAGCAAGGGAATCCCCATCTCTACCACAGCCAAGGCAAAGGACCTT

View online »

GTAAACATGACCGAGCCACCCATGAGAGCTACACCTCTGGAAAAGTGATAAGTTCAAGCAAATCCCAGAA
TCTTCTTGTTCCTGGAGAGAAAACAACCGGCAAAGCTAAGAGTGACAGTGGCACTGGATATGAAACAGAC
AGCAGCCAAGATTCAAGGGACAAAGGAGGCAGCTACAGTAGTAAGACTAAAAGCCGCCACCGTGGCTGGA
AACCCATGAGAGAAACCCTAAACGTCGATAGCGTTTTTAGTGAGAGCGAGAAGAGGCAGCACAGTCCGAG
GCGGAAGTCGGATATCGGTAGCAGGCCTAGGTGTAGCAAGGACCAGAGTTTTAATAACTGGCCAAAGGCA
AACCCAAAGCAAAAAGGCTTAATGACCATATACGAAGATGAAATGAAGCAAGAGGCAGGAAGCAGAAGTT
CCCTTGAAACTAATGGAAAAGGAGCAGAGAAAAATCTAAGTGCTGCAGAGAGCAGAGGTCCTGGTACCAG
CTGGCAGATGCAAAGGACAGAGTCTGGGTATGAGAGCAGCGATCATGTCAGTAACGGATCTGCCAGCTTG
GACTCTCCTGGTGTGGAGGGAAGTGGGGCAGTCATGGATGTCGGTGGTGGGAAAGCCTTCAGTGAACATA
TTAAGATGAACAGCCATAATATGGACAGTATGGAGTATATATCTCATCATTGCAAAGACCACCCAGAAGG
CTTTAGGAAAGAACTCCAGGACTTGGAAGCAGATGATAAAATTCATGAGCTCCACCCAGAATCACATGTG
CAAATAAAAAGCCATTTGATAAAAAGGTCACAGATTGGTGAAACCAATGACAAGTTGTTTCCTTCAGCCA
GCCCACAAACACTTGCAAGAGAGCATGTTTACCAGACAAATGAACACAAAGTAGAAAGACCAGATAGGAG
CAAATGTTCAGAGAGGCATAATACAGAAAACTCTGAGGGAACAGGCTTGCCATTTCACGTTGATGAGAGT
TCTGTGGCTGGGAAGAGAGTCGACAGTAACGAAACAGTCTCGCCATCTTCACTGCCTTCATCTGTGAGAA
CTGCTGGGCTAAAGCCCGAAACTGGACCCCTCATGTTTTGGTCACAGCAAAATATCACAGAACAGGGTTA
CTCTGACAACTCTCTGTCCAGAGAACTTACACTTCTGTCTGCCTGCAATGCTGATAGTTGTCAGATGCCA
AAACTCCACTGCCACCGTTCACCACCCCCTTTGCCACCAAAGAAATACTCTACAGCCAGTGCACCAAGGT
TAGAGAGAGTTGGACTTAGCCCTGATGTCGGGGTTACCGAGGCGTTTAACACTAATCCCTCCAGCCTTCC
AAAACACAGCTTGAGTCCAGCCTCAGGACCAAGTTTAGAAGGGAGTCCATGCATGACCCAGGAAAGAGAT
AAAGAAACTATTCAAGTGAAGCAACTTGCTGCCAACAGCTACCCGTCCAGTTGTTCAACTAACAGTTTTC
AGCCAGATCAAGACTCTACTTCTGTGTGTCCAAATGAAACAATTTCATTAACTACCTATTTCTCAGTTGA
TAGTTGCATGACTGATACCTACAGATTGAAATACCATCAAAGACCTAAGCTCTATTTTCCAGAGAGCAGT
GGCCATCATAGTAATAATTCACTCTCTCAAACTGAGCAAGTAGAGGGATCCATTACATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133857

Insert Size: 3210 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_133857.3, NP_598618.1

RefSeq Size: 4014 bp

RefSeq ORF:	3210 bp
Locus ID:	99526
UniProt ID:	P15975
Cytogenetics:	3 G1
Gene Summary:	Tight junction-associated protein that is involved in the survival of auditory hair cells and hearing. Maybe by modulating the barrier properties and mechanical stability of tight junctions (PubMed:26609154). Has no peptidase activity (PubMed:26609154). [UniProtKB/Swiss-Prot Function]