

Product datasheet for **MG223181**

Chrng (NM_009604) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrng (NM_009604) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chrng
Synonyms:	Achr-3; Acrg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223181 representing NM_009604
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAGGGGGCCAGAGACCTCAGCTCCTCTTGCTGTGTGGCTGTCTGCCTGGGGGCCAGAGCCGCA
 ACCAAGAGGAGCGTCTGCTTGGCGACCTGATGCGAACTACGACCCACCTGCGCCGGCTGAGCGCGA
 CTCAGATGGTCAATGTGAGCCTGAAGCTTACCTTGACCAACCTCATCTCCCTGAATGAACGAGAGGAG
 GCCCTCACAATAACGTCTGGATAGAGATGCAATGGTGGGACTATCGCCTGCGCTGGGACCCAAAAGACT
 ACGAAGGCTGTGGATATTGAGGGTCCATCTACTATGGTCTGGCGCCAGATATCGTCTGGAGAACAA
 TGTGGACGGTGTCTCGAGGTGGCTCTCTACTGCAATGTCCTCGTGTCCCCGACGGTTGTATCTACTGG
 CTGCCGCTGCCATCTCCGCTCCTCTGCTCCATCTCTGTCACCTACTCCCCTTCGATTGGCAGAAGT
 GTTCCCTCGTCTTCCAATCCCAGACTTACAGCACCAGTGAGATCAACTTGCAGCTGAGCCAGGAGGATGG
 GCAAGCCATTGAGTGGATCTTCATTGACCCGGAGGCTTTCACAGAGAATGGGGAGTGGCCATCCGGCAC
 CGAACCGCTAAAAATGCTCCTGGACTCCGTGGCTCCTGCAGAGGAGCGGGCCACCAAGAAGTGGTGTCT
 ACCTGCTTATCCAGCGCAAGCCCCTCTTCTACGTCATCAACATCATCGCCCCCTGTGTGCTCATCTCCTC
 AGTCGCCATCCTCATCTACTTCTTCTGCTAAGGCGGGCGGCAGAAATGCACAGTGGCCACCAACGTG
 CTCTGGCCAGACTGTCTTCTTTCTTGTGGCTAAGAAGGTGCCTGAGACCTCCAGGCAGTGGCCAC
 TCATCAGCAAGTACCTGACCTTCTCATGGTGGTGACCATCCTCATCGTCGTGAACCTCTGTGGTCTGTCT
 CAATGTGCTCTTGGGTCCCCCACACACTCCATGGCCGTGGGGTCCGCAAGGTGTTCTGAGGCTC
 CTGCCCCAGCTGTTACGGATGCATGTGCGCCACTAGCTCCAGCTGCTGCCAGGATGCCCGTTCCGAC
 TCCAGAATGGCTCTTCTCAGGGTGGCCATCATGGCTCGAGAGGAAGGGGACCTGTCTGCCTCGAAG
 CGAACTCCTCTTTAGGCAAAGGCAGCGCAATGGATTAGTGCAGGAGTATTGGAGAAGCTAGAGAATGGT
 CCAAGAAGTGAGGCAGAGCCAGGATTCTGTGGCAGCCTGAAGCAAGCCTCCCCAGCCATCCAGGCCTGTG
 TGGATGCCTGTAACCTCATGGCTCGTGGCCGACGCCAGCAGAGTCACTTTGACAGTGGGAACGAGGAGTG
 GTTGTGGTGGGCGAGTGTGGACCGAGTCTGCTTCTAGCCATGCTCTCCCTTTCATCTGTGGCACT
 GCTGGCATCTTCTCATGGCCACTACAACCAAGTGCCTGACCTGCCGTTCCCCGGAGACCCCGCCCT
 ACCTGCCTTTGCCAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223181 representing NM_009604
 Red=Cloning site Green=Tags(s)

MQGGQRPQLLLLLLAVCLGAQSRNQEERLLADLMRNYDPLRPAERDSVVNVSLKLTNLISLNEREE
 ALTTNVWIEMQWCDYRLRWDPKDYEGLWILRVPSTMVWRPDIIVLENNVDGVFEVALYCNVLPSPDCIYW
 LPPAIFRSSCSISVYFPPFDWQNC SLVFSQTYSTSEINLQLSQEDGQAI EWIFIDPEAFTENGEWAIRH
 RPAKMLLD SVAPAE EAGHQVVFYLLIQRKPLFYVINIIAPCVLISSVAILIYFLPAKAGGQKCTVATNV
 LLAQTVFLFLVAKKVPETSQAVPLISKYLTFLMVVTILIVVNSVVVLNVSLRSPHTHSMARGVRKVFRLR
 LPQLLRMHVRPLAPAAVQDARFRLQNGSSSGWPIMAREEGDLCLPRSELLFRQRQNGLVQAVLEKLENG
 PEVRQSQEF CGSLKQASPAIQACVDACNL MARARRQSSHFD SGNEEWLLVGRVLD RVCFLAML SLFICGT
 AGIFLMAHYNQVPDL PFP GDRPYLPLPD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_009604
ORF Size:	1557 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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>NM_009604.3, NP_033734.3</u>
RefSeq Size:	1921 bp
RefSeq ORF:	1560 bp
Locus ID:	11449
Cytogenetics:	1 44.07 cM