

Product datasheet for **RG209607**

ALS2CR15 (ICA1L) (NM_138468) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALS2CR15 (ICA1L) (NM_138468) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ALS2CR15
Synonyms:	ALS2CR14; ALS2CR15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209607 representing NM_138468
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATTCCTTTGGCAACCCAGACCAGAAGATAATCAGTCAGTAGTCAGAAGAATGCAAAAAGAACTACT
 GGAAACTAAACAGGCTTTTATCAAAGCAACAGGAAAAAAGAGGATGAGCACTTGGTGGCGTCTGATGC
 TGAAGTGGATGCTAAACTTGAGGTTTTTCACTCTGTTCAAGAGACATGCACTGAACCTTCTGAAGATAATC
 GAGAAATACCAGCTAAGACTCAATGTTATATCAGAGGAAGAAAATGAGCTAGGGCTCTTTTTAAATTTTC
 AAGCAGAACGGGATGCAACTCAAGCTGGCAAAATGATGGATGCCACTGGCAAGGCACTTTGTTCTTCAGC
 CAAGCAAAGATTGGCCCTGTGTACTCCTCTGTCTCGTCTGAAGCAAGAAGTAGCAACATTCAGTCAAAGG
 GCAGTATCTGATACCTTGATGACAATTAATCGGATGGAGCAGGCACGCACAGAATACAGAGGAGCTCTAC
 TGTGGATGAAAGATGTATCCCAAGAGCTGGACCCAGACACCTTAAAGCAAATGGAAAAGTTAGAAAAGT
 ACAGATGCAAGTGAGAAATAGCAAAGCTTCTTTTGACAAGTTAAAGATGGATGTTTGTGAGAAAGTGGAT
 TTAAGTGGAGCTAGTCGCTGCAATATGCTATCTCATTGCTCACTACCTACCAGAGAACACTGCTTGGAT
 TCTGGAAGAAAACAGCTCGAATGATGTCCCAAATTCATGAAGCCTGTATTGGCTTTCATCCGTATGATT
 TGTAGCTCTCAAGCAACTACAAGACACGCCAAGCAAGATTAGTGAAGACAATAAAGATGAACAAATAGGC
 GGTTCCTTACTGAACAGCTCAATAAGCTAGTTTTGTCTGATGAGGAAGCAAGCTTTGAGAGTGAACAAG
 CAAACAAAGATCACAATGAAAAACATTCATAATGAGAGAATTTGGAGCACCTCAGTTTTCTAACTCTGA
 AAATGTTGAAAAGATCTACCTGTAGATTCATTGGAAGGAGAAGATTTGAGAAGGAATTCATTCTG
 AACAACTCCTAAGTTCTGGTCTTCAAGTACTAGTGAATTTACCAAGAATGCCAGACTGCCTTTGGGA
 GCCCAGTGCCAGTCTCACATCCAGGAGCCTTCCATGGGCTCTGAGCCCTCGCTCATTCTTCGATT
 CCTTCCTTCAACAACCTTTGACCTTGGCTTTCATGTGGCTGGAGCGTTCAACAACCTGGGTCTCCCAAGAG
 GAATCAGAACTTTGTCTTTCACACACTGATAACCAGCCAGTGCCTTACAGAGTCCAAAGAAATTAACA
 GATCCCCAACAAATGGCAACCAAGACATGTCAGCCTGGTCAATCTGTTTGCAGACTTGGATCCACTTTC
 AAACCCAGATGCTATTGGACTCAGATGATGAACTTCTTAATGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209607 representing NM_138468
 Red=Cloning site Green=Tags(s)

MDSFGQRPEDNQSVVRRMQKQYWKTKQVFIKATGKKEDEHLVASDAELDAKLEVFHVSQETCTELLKII
 EKYQLRLNVISEEENELGLFLKFAERDATQAGKMMDATGKALCSSAKQRLALCTPLSRLKQEVATFSQR
 AVSDTLMTINRMEQARTEYRGALLWMKDVSQLDPDTLKQMEKFRKVQMQVRNSKASFCLKMDCQKVD
 LLGASRCNMLSHSLTTYQRTLLGFWKKTARMMSQIHEACIGFHPYDFVALKQLQDTPSKI SEDNKDEQIG
 GFLTEQLNKLVLSDDEASFSEQANKDHNEKHSQMREFGAPQFSNSENVAKDLPVDSLEGEDFEKEFSFL
 NNLLSSGSSSTSEFTQECQTAFGSPSASLTSQEPSMGSEPLAHSSRFLPSQLFDLGFHVAGAFNNWVSQE
 ESELCLSHTDNQPVPSQSPKCLRPNNGNQDMSAWFNLFADLDPLSNPDAIGHSDDELLNA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_138468

ORF Size: 1446 bp

OTI Disclaimer: 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](#)

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:

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_138468.6](#)

RefSeq Size: 7996 bp

RefSeq ORF: 1449 bp

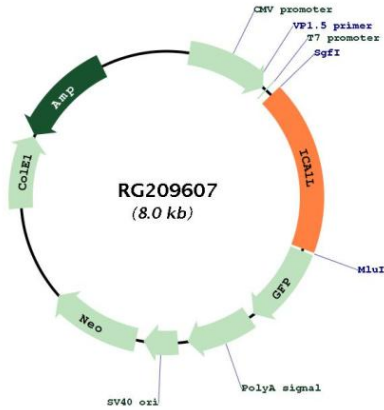
Locus ID: 130026

UniProt ID: [Q8NDH6](#)

Cytogenetics: 2q33.2

Domains: ICA69

Product images:



Circular map for RG209607