

Product datasheet for **MG207656**

Scarb2 (NM_007644) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scarb2 (NM_007644) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scarb2
Synonyms:	9330185J12Rik; Cd36l; Cd36l2; LGP; LGP85; LIM; LIMP-2; LIMP II; MLGP85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207656 representing NM_007644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCAGATGCTGCTTCTACACGGCGGGGACGCTGTCTCTGCTGCTGCTGGTGACCAGCGTCACGCTGC
 TAGTGGCTCGAGTCTTTTCAAGGCGGTAGACCAGACGATCGAGAAGAATATGGTATTACAAAATGGCAC
 CAAGGTCTTTAATTCCTGGGAGAAGCCCCCTACCTGTGTACATCCAGTTTTATTCTTCAATGTCACC
 AATCCTGAGGAGATCCTCCAAGGAGAAATCCCCCTACTAGAAGAAGTGGGGCCATACACCTACAGGGAGC
 TCCGGAACAAGGCAAATATTCAGTTTGGAGAAAATGGAACAATAATCTGCTGTCACCAATAAGGCATA
 TGTTTTGAAACGAAACCAATCTGTTGGAGATCCTAACGTTGACTTGATTAGAACAATAAATTCCTCTG
 TTGACTGTCGTGGATCTGGCCAGCTGACCCTGCTCAGGGAGCTTATCGAAGCCATGCTGAAAGCCTATC
 AGCAGAAGTTGTTGTGATTCACACCGTGCACGAAGTCTCTGGGGCTACAAAGATGAGATCTTGTCCCT
 CGTCCATATTTCAAACCTGACGCTCTCCCGAATTTTCGGCCTGTCTATGAGAGAATGGAACGAATGAC
 GGGGAGTACGTGTTTCTGACTGGAGAGGACAATTACCTTAACTTTTCAAAAATCGTGGAGTGAATGGAA
 AAACGTCGCTGGACTGGTGGACCACAGACACATGCAATATGATTAAACGGGACAGACGGAGACTCTTTTCA
 TCCGCTGATAAGCAAGGATGAGGTCCTGTACCTTCCCGTCAGACTTGTGCAGGTGAGTACATACACT
 TTCAGCAGCTTTGAGAACGTAGAAGGACTGCCTGCTTTCCGGTATAAGGTGCCTGCAGAAATACTAGCCA
 ACACCTCCGAAAACGCTGGCTTCTGTATACCCGAGGAAACTGCATGGACTCAGGGGTGTTGAACATCAG
 CATCTGCAAGAATGGTGCACCCATTATCATGTCTTTCCACACTTTTACCAAGCCGACGAGAAGTTGCTT
 TCTGCCATAAAAGGCATGCATCCCAACAAGGAAGAGCATGAGTCGTTTGTGGACATTAATCCCTTGACTG
 GAATTATTTTGGAGGGGCAAGAGATCCAGATCAACACTTACGTTAGGAAACTGGACTGACTTTGTTGA
 AACGGGAGACATCAGGACTATGGTTTTCCAGTGATGTATCTCAATGAGAGTGTCCCTCATTGACAAAGAG
 ACCGCAAATCAACTGAAGTCTGTGATTAACACGACTTTGGTTGTACCAACATACCCTACATCATTATGG
 CACTGGGTGTGTTCTTTGGCTTGGTTTTACGTGGCTGGCGTGTGAGGACAGGGGTCTATGGATGAGGG
 AACTGCAGATGAAAGAGCACCCCTCATAACGAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207656 representing NM_007644
 Red=Cloning site Green=Tags(s)

MGRCCFYTAGTLLSLLLVTSTLLVARVFQKAVDQTIKQNMVLQNGTKVFNSWEKPLPVYIQFYFFNVT
 NPPEILQGEIPLLEEVGPYTYRELNRNKANIQFGENGTTISAVTNKAYVFERNQSVGDPNVDLIRTINIPL
 LTVVDLAQLTLLRELIEAMLKAYQKLFVIHTVHELLWGYKDEILSLVHIFKPDVSPNFGLFYERNGTND
 GEYVFLTGEDNYLNFSKIWEVNGKTSLDWTTTDCNMINGTDGDSFHPLISKDEVLYLFPSDLCRSVHIT
 FSSFENVEGLPAFRYKVP AEILANTSENAGFCIPEGNCMDSGVLNISICKNGAPIIMSFPHFYQADEKRV
 SAIKGMHPNKEEHESFVDINPLTGIILRGAKRFQINTYVRKLDLDFVETGDIRTMVFPVMYL NESVLI
 TANQLKSVINTLLVVTNIPYIIMALGVFFGLVFTWLACRGQGSMDDEGTADERAPLIRT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_007644

ORF Size: 1434 bp

OTI Disclaimer: 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.

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).

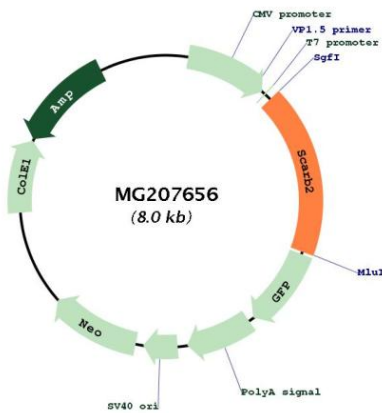
Reconstitution Method:

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_007644.4](#)
 RefSeq Size: 2111 bp
 RefSeq ORF: 1437 bp
 Locus ID: 12492
 UniProt ID: [O35114](#)
 Cytogenetics: 5 E2

Gene Summary: This gene encodes a CD36-like type III transmembrane glycoprotein that localizes to the lysosomal membrane. Mice lacking the encoded protein exhibit an increased postnatal mortality caused by an obstruction of the ureteropelvic junction, deafness, peripheral demyelinating neuropathy and tubular proteinuria. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MG207656