

Product datasheet for **MG220189**

Slc35f4 (NM_029238) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc35f4 (NM_029238) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc35f4
Synonyms:	4930550L21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220189 representing NM_029238
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTCAAGGCGGCCCAACGGGGTGGCCACCATCGAGGACCGGATCCTGCGGATTACTGGCTACT
 ATGGCTATTACCGGGTTACTCCAGCCAGAAAAGTACCACCAGATCATCAGTTACTCGATGCAAACAGG
 ACCCAACTGCCCAAGTTCACACAGCAGCATCAGCAGGCAACTGTCCCCTCTGTCGGTACCGAAGATTCT
 TCTGCTCTATTCTTGAACCTCAGAGCCGAGGATCCTCTGGAGTTTGTGGTGAAGAGTGGAGAGACAGA
 GCAGATCAGGGGATGATGGGACACAGACTCGTCTGAGAGCAGCAGCCAAGAAAACGGACTCAAGGCTCG
 ATGCTGTCTGCACATCCATGGTTCTGAAGACCATCTGGGGACTCTTGATCATCTTGTGAGTGTATCA
 TCTTGGTTGGAACCACAAAATGTAAAAATCACTTACAAGAATTTTTATTGTCCTTTTTTCATGACAT
 GGTTCACAAAAGTGAACATTATGTTTTCCAGTCTATTATCCGGCCATCTAGCCACAGCTCAAGA
 AAAGCAGTCGCCAATAAAAAATTCAGGAATGCAGTCGGATTTTGGTGAAGATGGCCTGACACTGAAG
 CTCTTTCTAAAAGAAGTCTCCTTTTTCTATTCTGTGGACTTTGACAAAATTACCTGTATTTGCTGGCTT
 TAAAGAAGCTGACGGCCACTGATGTCTCTGCTCTGTTCTGTTGCAACAAAGCCTTTGCTCTTGTCTGC
 CTGGATTGTGCTGAAGGACAGGTTTCATGGGCGTGGGATTGTGCGCAGCAATAATGGCAATTACGGGCATT
 GTCATGATGGCGTATGCGGATAATTTCCACGCTGATTCCATCATCGGTGTGGCATTGCGGTAGGCTCAG
 CCTCCACATCTGCACTGTATAAGGTTCTGTTAAGATGTTTCTGGGCAGTGCCAACCTCGGTGAAGCTGC
 ACATTTGTCTCCACCTGGGGTCTTCAATTTGATCTTTATCTCCTTCACTCCCATCATCTGTATTTT
 ACCAAAGTGGAGCACTGGTCTCCTTCGCAGCGCTGCCCTGGGGTGCCTCTGTGGGATGGCGGGACTAT
 GGCTAGCATTCAACATCCTGGTCAATGTTGGAGTGGTACTGACATACCCAATCCTCATCCATTGGGAC
 AGTGCTCAGCGTCCCTGGAAACGCAGCTGTAGATCTCCTTAAGCAAGAAGTAATATTCAATGTAGTCCGC
 CTGGCTGCCACCATCATCTGTATCGGGTTTCTCCTGATGCTACTGCCGGAGGAGTGGGATGAAATTA
 CACTGAGATTTATCAACAGCCTGAAGGAGAAGAAGAGTGAAGGAGCATGTGGAGGACCTGACAGATGTCAG
 CGTGCACCTGAGGAGCAGAAGCAGGGTCAACGGGACAGTGTCCATACCGCTGGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220189 representing NM_029238
 Red=Cloning site Green=Tags(s)

MDVKAAPNGVATIEDRILRITGYGYYPGYSSQKSTTRSSVTRCKPGPNCPSSHSSISRQLSPLSVTEDS
 SAPILELQSRGSSGVCGRRVERQSRSGDDGTQTRPESSSQENGLKARCLSCTSMVLKTIWGLLIILSVSS
 SWVGTQIVKITYKNFYCPFFMTWFSSTNWNIMFFPVYYSGLHATAQEKQSPIKKFRECSRIFGEDGLTLK
 LFLKRTAPFSILWLTNYLYLLALKKLTATDVSALFCCNKAFVLLSWIVLKDRFMGVRIVAAIMAITGI
 VMAYADNFHADSIIIGVAFVGSASTSALYKVLFKMFLGSANFGAAHFVSTLGFNLIIFISFTPIILYF
 TKVEHSSFAALPWGCLCGMAGLWLA FNILVNVGVVLTYPILISIGTVLSVPGNAAVDLLKQEVIFNVVR
 LAATIIICIGFLMLLPEEWDEITLRFINSLKEKKSEEHVEDLTDVSVHLRSRVRVNGTVSIPLA

TRTRPLE - GFP Tag - V

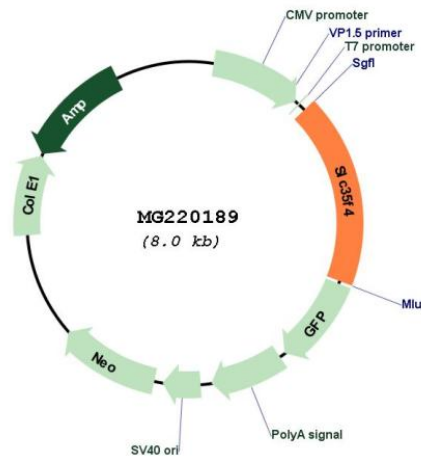
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_029238

ORF Size: 1455 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_029238.2](#), [NP_083514.1](#)

RefSeq Size: 1881 bp

RefSeq ORF: 1458 bp

Locus ID: 75288

UniProt ID: [Q8BZK4](#)

Cytogenetics: 14 C1

Gene Summary: Putative solute transporter.[UniProtKB/Swiss-Prot Function]