

Product datasheet for **RG200556**

SLC39A7 (NM_006979) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | SLC39A7 (NM_006979) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | SLC39A7 |
| Synonyms: | D6S115E; D6S2244E; H2-KE4; HKE4; KE4; RING5; ZIP7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RG200556 representing NM_006979
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAGAGGCCTGGGGCCCCCACTGGGTGGCCGTGGGACTGCTGACCTGGGCGACCTTGGGGCTTC
 TGGTGGCTGGACTCGGGGTTCATGACGACTGCACGACGATCTGCAAGAGGACTTCCATGGCCACAGCCA
 CAGGCACTCACATGAAGATTTCCACCATGGCCACAGCCATGCCATGGCCATGGCCACACTCACGAGAGC
 ATCTGGCATGGACATACCCACGATCACGACCATGGACATTCACATGAGGATTTACACCATGGCCATAGCC
 ATGGCTACTCCCATGAGAGCCTCTACCACAGAGGACATGGACATGACCATGAGCATAGCCATGGAGGCTA
 TGGGGAGTCTGGGGCTCCAGGCATCAAGCAGGACCTGGATGCTGCTACTCTCTGGGCTTATGCATGGGG
 GCCACAGTGTGATCTCAGCAGCTCCATTTTTGTCTCTTCTTATCCCCGTGGAGTCAAACCTCTCCC
 GGCATCGCTCTACTTCAGATCTTGTCTAGTTTTGCTCCGGTGGGCTCTGGGAGATGCTTTCCTGCA
 CCTCATTCTCATGCTCTGAACCTCATTCTCACACACTCTGGAGCAACCCGGACATGGACACTCCAC
 AGTGGCCAGGGCCCCATTCTGTCTGTGGGACTGTGGGTTCTCAGTGGAATTGTTGCCTTTCTGTGCTGG
 AGAAATTTGTGAGACATGTGAAAGGAGGACATGGTCACAGTCATGGACATGGACACGCTCACAGTCATAC
 ACGTGGAGTCATGGACATGGAAGACAAGAGCGTTCTACCAAGGAGAAGCAGAGCTCAGAGGAAGAAGAA
 AAGGAAACAAGAGGGGTTTCAGAAGAGGCGAGGAGGGAGCACAGTACCCAAAGATGGGCCAGTGAGACCTC
 AGAACGCTGAAGAAGAAAAAGAGGCTTAGACCTGCGTGTGTGCGGGTACCTGAATCTGGCTGCTGACTT
 GGCACACAACCTCACTGATGGTCTGGCCATTGGGGCTTCTTTTCGAGGGGGCCGGGGACTAGGGATCCTG
 ACCACAATGACTGCTCTGCTACATGAAGTGCCCCACGAGGTCGGAGACTTTGCCATCTTGGTCCAGTCTG
 GCTGCAGCAAAAAGCAGGCGATGCGTCTGCAACTACTGACAGCAGTAGGGGCACCTGGCAGCACAGCCTG
 TGCCCTTCTCACTGAAGGAGGAGCAGTGGGCAGTGAAATTGCAGGTGGTGCAGGTCTGGCTGGGTCCTG
 CCATTTACTGCAGGTGGCTTTATCTACGTAGCAACAGTGTCTGTGTTGCCCGAGCTGCTGAGGGAGGCAT
 CACCATTGCAATCACTTCTGGAGGTGCTGGGGCTGCTGGGGGAGTTATCATGATGGTGTGCTGATTGCCCA
 CCTTGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200556 representing NM_006979
 Red=Cloning site Green=Tags(s)

MARGLGAPHWVAVGLL TWATLGLLVAGLGGHDDLHDDLQEDFHGHSRHSHEDFHHGHSHAHGHGHSTHES
 IWHGHTHDHDHGHSHEDLHHGHSHGYSHESL YHRGHGHDHEHSHGGYGESGAPGIKQDLDAVTLWAYALG
 ATVLI SAAPFFVLFLIPVESNSPRHRSLLQILL SFASGGLLGDAFLHLIPHALEPHSHHTLEQPGHGHSH
 SGQGPILSVGLWVLSGIVAFVLVEKFRVHVKGHGHSHGHGHAHSHTRGSHGHGRQERSTKEKQSSEEEE
 KETRQVQKRRGGSTVPGDGPVRPQNAEEERGLDLRVSGYLNLAADLAHNF TDGLAIGASFRGGRLGIL
 TTMTVLLHEVPHEVGFDFAILVQSGCSKKQAMRLQLL TAVGALAGTACALLTEGGAVGSEIAGGAGPGWVL
 PFTAGGF IYVATVSVLPELLREASPLQSLLEVLGGLGGVIMMVLIAHLE

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_006979

ORF Size: 1407 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_006979.3](#)

RefSeq Size: 2475 bp

RefSeq ORF: 1410 bp

Locus ID: 7922

UniProt ID: [Q92504](#)

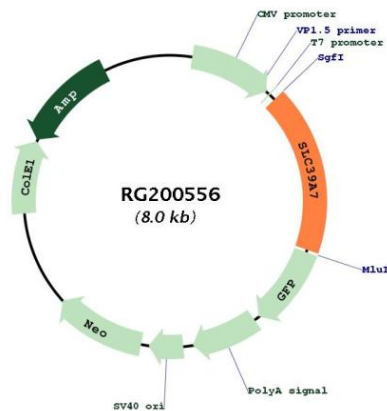
Cytogenetics: 6p21.32

Domains: Zip

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene transports zinc from the Golgi and endoplasmic reticulum to the cytoplasm. This transport may be important for activation of tyrosine kinases, some of which could be involved in cancer progression. Therefore, modulation of the encoded protein could be useful as a therapeutic agent against cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Product images:



Circular map for RG200556