

Product datasheet for **RG237596**

SLC39A7 (NM_001288777) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A7 (NM_001288777) 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)
ORF Nucleotide Sequence:	>RG237596 representing NM_001288777. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGACCTGCACGACGATCTGCAAGAGGACTTCCATGGCCACAGCCACAGTGCTGATCTCAGCAGCT
CCATTTTTGTCTCTTCTTATCCCCGTGGAGTCGAACTCTCCCGGCATCGCTCTCTACTTCAGATC
TTGCTCAGTTTTGCTTCCGGTGGGCTCCTGGGAGATGCTTTCCTGCACCTCATTCTCATGCTCTTGAA
CCTCATTCTCACCACACTCTGGAGCAACCCGGACATGGACACTCCACAGTGGCCAGGGCCCCATTCTG
TCTGTGGGACTGTGGTTCTCAGTGAATTGTTGCCTTCTTGTCTGGAGAAATTTGTGAGACATGTG
AAAGGAGGACATGGTCACAGTCATGGACATGGACACGCTCACAGTCATACACGTGGAAGTCATGGACAT
GGAAGACAAGAGCGTTCTACCAAGGAGAAGCAGAGCTCAGAGGAAGAAGAAAAGGAAACAAGAGGGGTT
CAGAAGAGGCGAGGAGGGAGCACAGTACCCAAAGATGGGCCAGTGAACCTCAGAACGCTGAAGAAGAA
AAAAGAGGCTTAGACCTGCGTGTGTCGGGTACCTGAATCTGGCTGCTGACTTGGCACACAACCTCACT
GATGGTCTGGCCATTGGGGCTTCTTTTCGAGGGGGCCGGGACTAGGGATCCTGACCACAATGACTGTC
CTGCTACATGAAGTCCCCACGAGGTCGGAGACTTTGCCATCTTGGTCCAGTCTGGCTGCAGCAAAAAG
CAGGCGATGCGTCTGCAACTACTGACAGCAGTAGGGGACTGGCAGGCACAGCCTGTGCCCTTCTCACT
GAAGGAGGAGCAGTGGGAGTGAATTCAGGTGGTGCAGTCTGGCTGGGTCTGCCATTTACTGCA
GGTGGCTTTATCTACGTAGCAACAGTGTCTGTTGCCGAGCTGCTGAGGGAGGCATCACCATTGCA
TCACTTCTGGAGGTGCTGGGCTGCTGGGGAGTTATCATGATGGTCTGATTGCCACCTTGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237596
 Blue=ORF Red=Cloning site Green=Tag(s)

MTTCTTICKRTSMATATVLISAAPFFVLFLIPVESNSPRHRSLLQILLSFASGGLLGDAFLHLIPHALE
 PHSHTTLEQPGHGHSHSGQPILSVGLWVLSGIVAFVVEKFRVHVKGHGHSHGHGHAHSHTRGSHGH
 GRQERSTKEKQSSEEEKEKTRGVQKRRGGSTVPKDGVRPQNAEEEEKRGLDLRVSGYLNLAADLAHNFT
 DGLAIGASFRGGRGLGILTTMTVLLHEVPHEVGDFAILVQSGCSKKQAMRLQLLTAVGALAGTACALLT
 EGGAVGSEIAGGAGPGWVLPFTAGGFIIYATVSVLPELLREASPLQSLLEVLGLLGGVIMMVLIAHLE
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001288777

ORF Size: 1032 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).

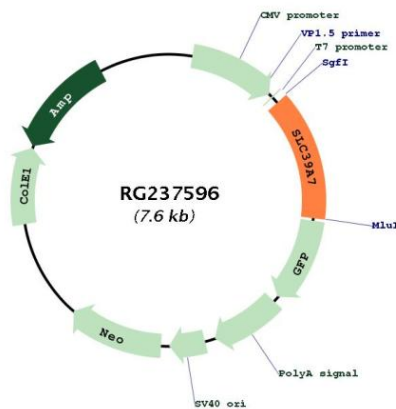
RefSeq: [NM_001288777.2](#)

RefSeq Size: 1888 bp

RefSeq ORF: 1035 bp

Locus ID:	7922
UniProt ID:	Q92504
Cytogenetics:	6p21.32
Protein Families:	Transmembrane
MW:	36.8 kDa
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 RG237596