

Product datasheet for **RC223323**

SLC22A25 (NM_199352) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A25 (NM_199352) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC22A25
Synonyms:	HIMTP; UST6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC223323 representing NM_199352
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCTTTCAGGACCTCTAGATCAAGTTGGAGGCTGGGGAGATTCCAGATCCTTCAGATGGTTTTCC
 TTATAATGTTCAACGTCATAGTATACCATCAAACCTCAGCTGGAGAAGCTTCGACGATTTCATACTTGATCA
 TCGCTGCTGGGTTTCATATACTGGACAATGACACTATCCCTGACAATGACCCTGGGACCCTCAGCCAGGAT
 GCCCTCTGAGAACTCCATCCCATTGACTCAAATCTGAGGCCAGAGAAGTGTGCTGCTTTGTCCATC
 CCCAGTGGAAAGCTCATTCTGAATGGGACCTCCCCAACACGAGTGAGCCAGATACAGAGCCCTGTGT
 GGATGGCTGGGTATGACCAAAGCTCCTTCCCTTCCACCATTGTGACTAAGTGGGATCTGGTATGCGAA
 TCTCAACCACTGAATTCAGTAGCTAAATTTCTATTCATGGCTGGAATGATGGTGGGAGGCAACCTATATG
 GCCATTTGTGAGACAGGTTGGGAGAAAGTTCGTGCTCAGATGGTCTTACCTCCAGCTCGCCATTGTAGG
 CACCTGTGCGGCCTTTGCTCCCACCATCCTCGTATACTGCTCCCTGCGCTTCTTGCTGGGGCTGCTACA
 TTTAGCATCATTGTAAATACTGTTTTGTTAATTGTAGAGTGGATAACTCACAATTCGTGCCATGGCAT
 TGACATTGACACTTTGTGCTGCTAGTATTGGACATATAACCCTGGGAAGCCTGGCTTTTGTCACTCGAGA
 CAGTGCATCCTCCAGTTGGTGTGCTGCACCATGCTTTGTCTTCTTCTGTTCTCAAGGTGGCTGGCA
 GAGTCTGCTCGGTGGCTCATTATCAACAACAAACCAGAAGAGGGCTTAAAGGAAGTTAGAAAAGCTGCAC
 ACAGGAATGGAATGAAGAATGCTGAAGACATCCTAACCATGGAGGTTTTGAAATCCACCATGAAGCAAGA
 ACTGGAGGCAGCACAGAAAAAGCATTCTTTGTGAATTGCTCCGCATACCAACATATGTAAGAATC
 TGTTTCTGTCTTTGTGAGATTTGCAAGTACCATCCCTTTTGGGGCCTTACTTTGCACCTCCAGCATC
 TGGGAAACAATGTTTTCTGTTGCAGACTCTTTGGTGCAGTCACCCCTCTGGCCAATTTGTGTGCACC
 TTGGGCACTGAATCACATGAGCCGTCGACTAAGCCAGATGCTTCTCATGTTCTACTGGCAACCTGCCTT
 CTGGCCATCATATTTGTGCCTCAAGAAATGCAGACCCTGCGTGTGGTTTTGGCAACCCTGGTGTGGGAG
 CTGCTTCTCTGGCATTACCTGTTCTACTGCCAAGAAAATGAACTAATTCCTTCCATAATCAGGGGAAG
 AGCTACTGGAATCACTGGAACTTTGCTAATATTGGGGGAGCCCTGGCTTCCCTCGTGATGATCCTAAGC
 ATATATTCTGACCCCTGCCCTGGATCATCTATGGAGTCTTGGCATCCTCTGCGCCTTGTGCTCTC
 TCCTTCTGAAACCAGGAACCAGCCTCTTCTTGACAGCATCCAGGATGTGAAAATGAGGGAGTAAATAG
 CCTAGCTGCCCTCAGAGGAGCTCTGTGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223323 representing NM_199352
 Red=Cloning site Green=Tags(s)

MAFQDLLDQVGLGRFQILQMVFLLIMFNVIYHQTQLENFAAFILDHRCWVHILDNDTIPDNDPGTLSQD
 ALLRISIPFDSNLRPEKCRRFVHPQWKLHLNGTFPNTSEPDTEPCVDGWYDQSSFPSTIVTKWDLVCE
 SQPLNSVAKFLFMAGMMVGGNLYGHLSDRFGRKFVLRWSYLQLAIVGTCAAFAPTILVYCSLRLFLAGAAT
 FSIIIVNTVLLIIVETHQFCAMALTLTCAASIGHITLGSFAFVIRDQCILQLVMSAPCFVFFLFSRWLA
 ESARWLIINNKPEEGLKELRKAHRNGMKNAEDILTMEVLKSTMKQEEAAQKKHSLCELLRIPNICKRI
 CFLSFVRFVFASTIPFWGLTLHLQHLGNNVFLQLTFLGAVTLLANCVAPWALNHMSRRLSQMLLMFLATCL
 LAIFVPQEMQTLRVVLA TLGVGAASLGITCSTAQENELIPSIIRGRATGITGNFANIGGALASLVMILS
 IYSRPLPWIIYGVFAILSGLVLLLLPETRNQPLLDISIQDVENEGVNSLAAPQRSSVL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8013_h08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_199352

ORF Size: 1641 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.

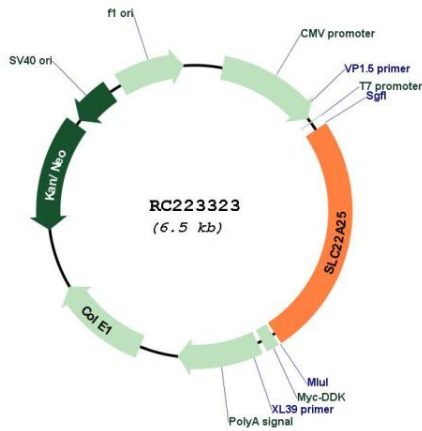
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_199352.2](#), [NP_955384.2](#)

RefSeq Size: 1644 bp
 RefSeq ORF: 1644 bp
 Locus ID: 387601
 UniProt ID: [Q6T423](#)
 Cytogenetics: 11q12.3
 Protein Families: Transmembrane
 MW: 60.8 kDa

Product images:



Circular map for RC223323