

Product datasheet for **SC315759**

SLC38A8 (NM_001080442) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A8 (NM_001080442) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A8
Synonyms:	FVH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315759 representing NM_001080442. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGAGGACAGACCCAGGAAGCAGGGGCTTCCAGAAAAGCCTCACCTGCCACGGCTGCTGCCACT
CTGTCTCGATGGGCGTGTCTTCATCCTCATGAAGTCCGCGCTGGGAGCTGGCCTGCTCAACTCCCC
TGGGCTTCTCCAAAGCGGGCGGAGTGGTCCCTGCCTTCTGGTGGAGCTGGTCTCGTTGGTCTTCCTG
ATCAGCGGGTGGTCATCCTGGGCTATGCTGCTGCTGTCAGTGGCCAGGCCACCTACCAGGGTGTGGTC
AGGGGGTGTGTGGCCCTGCCATTGGGAAGCTGTGTGAGGCTGCTTCTCCTCAACCTGCTCATGATC
TCCGTGGCCTTCTCAGGGTATCGGGGACCAGCTGGAGAAGCTGTGTGACTCCCTCCTGCTGGCACC
CCGCCCGCCCCGAGCCGTGGTACGCAGACCAGCGCTTACCCTGCCCTGCTCTCCGTGCTGGTCATC
CTGCCCTGTCTGCCCGCGGGAGATCGCTTCCAGAAATACACAAGCATCCTAGGCACTCTGGTGCC
TGTTACCTGGCCCTGGTCATCACCGTGCAGTACTACCTCTGGCCCCAGGGCCTCGTGCGTGAGTCCCAT
CCTTCACTGAGCCCTGCCTCCTGGACCTCTGTGTTCAAGTGTCTTCCCCACCATCTGCTTCGGGTTTCAG
TGTCACGAAGCTGCCGTCTCCATCTACTGCAGCATGCGCAAACGGAGCCTCTCCCACTGGGCCCTGGTG
TCTGTGCTGTCTTGTGGCCTGCTGCCTCATCTATTCACTGACGGGGGTTTATGGCTTCTGACTTTT
GGGACAGAAGTTTCTGCTGACGCTTGTATGTCTACCCAGGCAATGATATGGTCATATTGTGGCCCGG
GTCCTTTTGTGCTCTCCATCGTAAGTGTCTACCCATCGTCTTCTGGGGAGGTCAAGTATGATGATG
GACTTCTGGAGGAGGAGCTGCTTGGGGGATGGGGGCCAGCGCCCTGGCCGACCCCTCAGGGCTGTGG
GTCCGGATGCCGCTGACCATCCTGTGGGTACCGTGACGCTCGCCATGGCGCTGTTTATGCCTGACCTC
AGCGAGATCGTCAGCATCATCGGAGGCATCAGTTCCTTCTTCATCTTCCAGGTTTGTGCCTC
ATCTGTGCAATGGGTGTGAGCCTATAGGACCAAGAGTCAAGTGTGCTGGAGGTCTGGGGAGTGGTC
TCTGTGCTGGTCGGCACCTTCATCTTGGGCAGAGCACGGCGGCAGCGGTCTGGGAGATGTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001080442
Insert Size:	1308 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001080442.2</u>
RefSeq Size:	1425 bp
RefSeq ORF:	1308 bp
Locus ID:	146167
UniProt ID:	<u>A6NNN8</u>
Cytogenetics:	16q23.3
Protein Families:	Transmembrane
MW:	46.7 kDa
Gene Summary:	This gene encodes a putative sodium-dependent amino-acid/proton antiporter. The protein has eleven transmembrane domains, an extracellular N-terminus and an intracellular C-terminal tail. The protein is a member of the SLC38 sodium-coupled neutral amino acid transporter family of proteins. Mutations in this gene result in foveal hypoplasia with or without optic nerve misrouting and/or anterior segment dysgenesis. [provided by RefSeq, May 2014]