

## Product datasheet for **SC319609**

### FLVCR2 (NM\_017791) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FLVCR2 (NM_017791) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLVCR2
Synonyms:	C14orf58; CCT; EPV; FLVCRL14q; MFSD7C; PVHH; SLC49A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_017791.1  
 GCGAAGTGGCTGCGCAAGGAGAGAACTTTTCTGCACAAGGAACGCCTCGTGGGGAGACC  
 CAAGGCAGGAGCGGTCCGGAGCCGGCTGCGGCCTGTGCGGCCGGCCTTGGGACAGCGATC  
 GCCGCGGTGGCAACAGAGAGCCCAAGCAAAGTGGGAGCAGGAGCTTGGAGGTGAGCA  
 CAGGAAGCCCCACTTGAGGCTTTTACGCAGCCTCTAGTCTCTGTTTCTTCTGGAATAGGC  
 AAGTGTCTTTCAACTTAAGAGACCAGCAGAGGCCACTGTCCCTTAAGACTGCCGGAGT  
 CCTCACCCTTCCAGGATCCAGAGGAGACTGTGGCGATGGTGAATGAAGTCCCAAC  
 CAGGAAGAGAGCGATGACACCCCTGTGCCGGAGTCCGCACTCCAAGCGGACCCAGCGTC  
 TCGGTCCATCCCAGCGTCTCGGTCCATCCCAGCGTCTCCATCAACCCAGCGTCTCTGTC  
 CACCCAGCAGTTCGGCCACCCAGTGCCTTAGCCCAACCCAGTGGCTTGGCTCACCC  
 AGTAGCTCGGGCCCTGAGGACCTCAGCGTGATCAAGGTGAGCAGGCGCCGTTGGGCCGTG  
 GTCCTGGTGTAGTGTACTCCATGTGCAACTCCTTTCAGTGGATCCAGTACGGCTCC  
 ATCAATAACATCTTCATGCACTTCTACGGTGTGAGTGCCTTGGCATTGACTGGCTGTCC  
 ATGTGCTACATGTGACTTACATCCCTCTGCTCCTGCCAGTGGCTTGGCTGCTGGAGAAG  
 TTCGGCCTGCGCACCATGCTCTACTGGCTCGGCTCTCAACTGCCTGGGGCCCTGGGTG  
 AAGCTGGGCAGCCTGAAGCCGATCTCTTCCGGTCAACGTTGGTGGGCCAGCTCATCTGC  
 TCTGTGGCCAGGTTTTATCCTGGGCATGCCCTCCCGCATCGCTTCCGTCTGGTTCGGG  
 GCTAATGAGGTTTCAACAGCCTGCTCCGTGGTGTCTTTGGCAATCAGCTTGAATTGCG  
 ATTGGGTTCTTGGTCCCTCCTGTTTTGGTACCCAACTTGAAGACCGGGACGAGCTTGGC  
 TACCACATCAGCATCATGTTCTATATAATAGGAGGTGTGGCCACTCTCCTCCTATCCTT  
 GTCATCATTGTGTTCAAGGAGAACTAAATATCCCCCAGCAGGGCCCAATCCCTGAGC  
 TATGCCTTGACCTCTCCTGATGCCTCATACTTAGGTTCCATCGCCGGCTCTTCAAAAAT  
 CTCAACTTTGTGCTGCTTGTGATCACCTATGGTCTGAATGCTGGTGTCTTTTATGCCTTG  
 TCCACTTCTGAATCGCATGGTATCTGGCACTACCCGGGGGAAGAGTGAATGCTGGA  
 AGAATTGGCCTGACGATCGTCATTGACAGGAATGCTTGGGGCTGTGATCTCAGGAATCTGG  
 CTGGATAGGTCCAAAACCTACAAAGAGACAACCCTGGTAGTCTATATCATGACACTGGTG  
 GGCATGGTGGTGTACACGTTTACCTTGAACCTGGGACACCTGTGGGTAGTGTTCACACT  
 GCTGGCACAATGGGCTTCTTTATGACTGGCTATCTCCACTGGGATTTGAGTTTGTGTG  
 GAGCTCACGTACCCAGAATCAGAAGGCATCTCCTCCGGCCTCCTCAACATATCTGCACAG  
 GTATTTGGGATCATCTTTACCATCTCCAGGGCCAGATTATTGACAACATGGAACCAAG  
 CCTGGGAACATCTCCTGTGTGTTCCTTACTCTTGGAGCAGCCCTCACTGCATTTCATT  
 AAGGCAGATCTCCGGAGACAGAAAGCAAACAAAGAACTCTTGAGAACAACTCCAAGAG  
 GAGGAGGAGGAGACAACACCAGCAAAGTGCCCACTGCTGTGTCAGAGGATCATCTCTGA  
 GAGGAAGGTGGTGACAACCTCAGGGAACACGAACACCCACCTTTTCTTTCAGCACAGCTC  
 TCACCCGCCAGCACAAAGGGCTTCGCTAGAGATGTTTTTGGAGGGAATCAGTGGGACTATT  
 TGTGGCATGGATGGCCTATTCCTCCTAGAACCCACGTAAGAGCTTGGATGATTTAGTTGG  
 AGAAAATTGCACCTATCACCAATGCAATTTGATTCCACCTCCACCCCTTTTAGGTT  
 ATGGGAGTTGGTGTGGGACAGGGTGGCAGAGAATATTGGAGTCAATCCTAGCTTGGTCT  
 CTGGCCTTCCCTTTTCTCCATCCATCGTGGACAATGCCTGCAAAAATTTTACAGGAA  
 GAAAGCCTATTACAGGATATTAACCTTGAATTTCCAGTGTCTAAGAGCCTCTCATGAAGC  
 CCAAGTTCTAATAAGTGGCAAGCTGCTCTGCCGGGTCATCTCCTGGGTATCGGACTGAT  
 TGCTCAAGTTCTGCAGGAGAGGAAGCACCATAGAACAACTCCATCAGAACAGCTCCACC  
 GGGACTTGTGGGCTAAATTTTCTGGCCTAACGGGTCTGTCTCCAAACCTCTTTCTTA  
 AGAGCTGAGCAAACCAACATAATAAACTTGACAAAAGACAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_017791

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_017791.1</a></u> , <u><a href="#">NP_060261.1</a></u>
<b>RefSeq Size:</b>	3614 bp
<b>RefSeq ORF:</b>	1581 bp
<b>Locus ID:</b>	55640
<b>UniProt ID:</b>	<u><a href="#">Q9UPI3</a></u>
<b>Cytogenetics:</b>	14q24.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a member of the major facilitator superfamily. The encoded transmembrane protein is a calcium transporter. Unlike the related protein feline leukemia virus subgroup C receptor 1, the protein encoded by this locus does not bind to feline leukemia virus subgroup C envelope protein. The encoded protein may play a role in development of brain vascular endothelial cells, as mutations at this locus have been associated with proliferative vasculopathy and hydranencephaly-hydrocephaly syndrome. Alternatively spliced transcript variants have been described.[provided by RefSeq, Aug 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>