

Product datasheet for **SC326185**

GGCX (NM_001142269) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GGCX (NM_001142269) Human Untagged Clone
Tag:	Tag Free
Symbol:	GGCX
Synonyms:	VKCFD1
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001142269, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGTGTCTGCCGGTCCGCGCGGACCTCGCCAGCTCAGGGTCTTGATGGTGCTA
GACATTCAGGAGCGGGGCTCAGCTCTGGACCGGAAATACCTTGATGGGCTGGAT
GTGTGCCGCTCCCTTCTGGATGCCCTACGCCACTGCCACTGACTGGATGTATCTT
GTCTACACCATCATGTTTCTGGGGCACTGGGCATGATGCTGGCCTGTGCTACCGGATA
AGCTGTGTGTTATTCCTGCTGCCATACTGGTATGTGTTTCTCCTGGACAAGACATCATGG
AACAACTCCTATCTGTATGGTTGTTGGCCTTTCAGCTAACATTCATGGATGCAAAC
CACTACTGGTCTGTGGACGGTCTGCTGAATGCCCATAGGAGGAATGCCACGTGCCCTT
TGAACTATGCAGTGCTCCGTGGCCAGATCTTCATTGTGTAATTCATTGCGGGTGTGAAA
AAGCTGGATGCAGACTGGTTGAAGGCTATTCCATGGAATATTTGTCCCGCACTGGCTC
TTCAGTCCCTCAAACCTGCTGTTGTCTGAGGAGCTGACTAGCCTGCTGGTCTGCACTGG
GGTGGGCTGCTGCTTACCTCTCAGCTGGTTTCTGCTCTTTTTGATGTCTCAAGATCC
ATTGGCCTGTTCTTTGTGCTCCTACTTCCACTGCATGAATCCCAGCTTTTCAGCATTGGT
ATGTTCTCCTACGTCATGCTGGCCAGCAGCCCTCTCTTCTGCTCCCTGAGTGGCCTCGG
AAGCTGGTGTCTACTGCCCGAAGGTTGCAACAACGTGGCCCTCAAGGCAGCCCT
CAGCCAGTGTTCCTGTGTGTATAAGAGGAGCCGGGGCAAAAGTGGCCAGAAGCCAGGG
CTGCGCCATCAGCTGGGAGCTGCCTTACCCTGCTCTACCTCCTGGAGCAGCTATTCCTG
CCCTATTCTATTTTCTACCCAGGGCTATAACAACCTGGACAAATGGGCTGTATGGCTAT
TCCTGGGACATGATGGTGCCTCCCGCTCCACCAGCAGTGAAGATCACCTACCGTGAT
GGCCGCACTGGCGAAGTGGGCTACCTAACCTGGGGTATTTACACAGAGTCGGCGATGG
AAGGATCATGCAGACATGCTGAAGCAATATGCCACTTGCCTGAGCCGCTGCTTCCCAAG
TATAATGTCAGTGAAGCCAGATCTACTTTGATATTTGGGTCTCCATCAATGACCGCTTC
CAGCAGAGGATTTTACCCCTCGTGTGGACATCGTGCAGCCGCTTGGTACCCCTTCAG
CGCACATCCTGGGTGCAACCACTCTTGATGGACCTGTCTCCCTGGAGGGCAAGTTACAG
GAAATCAAGAGCAGCCTAGACAACCACACTGAGGTGGTCTTCATTGCAGATTTCCCTGGA
CTGCACTTGGAGAATTTGTGAGTGAAGACCTGGGCAACACTAGCATCCAGCTGTGCGAG
GGGGAAGTGAAGTGGAGCTTGTGGCAGAACAGAAAGCAAGCACTCTCGAGAGGGAGAA
AAAATGCAGTTGCCTGCTGGTGAAGTACCATAAGGTGTATACGACATCACCTAGCCCTTCT
TGCTACATGTACGCTATGTCAACACTACAGAGCTTGCCTGGAGCAAGACCTGGCATAT
CTGCAAGAAATTAAGGAAAAGGTGGAGAATGGAAGTGAACAGGGCCTTACCCAGAG
CTGCAAGCTCTGTTGGAAGGGGAAGTAAAAGGGGGCCCTGAGCCAACACCTCTGGTTCAG
ACCTTTCTTAGACGCAACAAAGGCTCCAGGAGATTGAACGCGCGGCAAAACTCCTTTTC
CATGAGCGATTCTCCGCTTCTTGTGGAAAGCTCTATGCTTTTCGCCGAGCTTCTG
ATGACTTGTATCTCACTTCGAAATCTGATATTAGGCCGCTCTTCCCTGGAGCAGCTGGCC
CAGGAGGTGACTTATGCAAACTTGAACCTTTGAGGCAGTTGGAGAAGTGAATCCCTCA
AACACGGATTCTCACATTCTAATCCTCCTGAGTCAAATCCTGATCCTGTCCACTCAGAG
TTC
    
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Restriction Sites: Please inquire

ACCN: NM_001142269

Insert Size: 7444 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:	<ol style="list-style-type: none">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_001142269.1 , NP_001135741.1
RefSeq Size:	7444 bp
RefSeq ORF:	2106 bp
Locus ID:	2677
UniProt ID:	P38435
Cytogenetics:	2p11.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes an integral membrane protein of the rough endoplasmic reticulum that carboxylates glutamate residues of vitamin K-dependent proteins to gamma carboxyl glutamate, a modification that is required for their activity. The vitamin K-dependent protein substrates have a propeptide that binds the enzyme, with carbon dioxide, dioxide, and reduced vitamin K acting as co-substrates. Vitamin K-dependent proteins affect a number of physiologic processes including blood coagulation, prevention of vascular calcification, and inflammation. Allelic variants of this gene have been associated with pseudoxanthoma elasticum-like disorder with associated multiple coagulation factor deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. It encodes isoform 2, which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>