

Product datasheet for SC122908

OVOL2 (NM_021220) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OVOL2 (NM_021220) Human Untagged Clone
Tag:	Tag Free
Symbol:	OVOL2
Synonyms:	CHED; CHED1; CHED2; EUROIMAGE566589; PPCD1; ZNF339
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_021220 edited

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AAACTTTTTCCCGGCGTGGTCTCACTCGCGATTAAAGGCATAGGTGTCGCCGAGCCGGG
AGGCTGGGAGTCGCCAGGCGTGGGGGAGAGGCCTGGGCCGCGCGCGGGGGTGG
AGGAAGAGGGCAGGCAGGCGGGAAGGTGGGCTCTGGCCGCCGGGAGCCGGGACGGAGC
CGCCGCCGTTGCCCTAGCGGGAGCAGCCGGGAGGAGGGGGCCGAGTCGGGAGAGGGG
ACCCACCATGCCAAAGTCTTCTGGTGAAGAGGAGGAGCCTGGGGGTCTCGGTCCGCA
GCTGGGATGAGTCCCGATGAGAAAAGGCAGACACCTACATCCAGTGGGCCTAGGCC
GCCTGCTCCACGACCCCCCGAGGACTGCCGACGACGGCGGCAGCAGCAGCGGAGCG
GCAGCAGCAGCGGGGGAGCCTGGAGGAGCAGAGCAGCTCGTCCCCGACGCCCCCG
AGAGCGAAACCCCGAGCCGGGACGCGGAGGGCCCCGATGGACACCTGGCGACCAAGC
AGCGCCCGGTGCGCAGATCGAAATCAAGTTCACCACAGGCACGTGCAGCGACTCGGTGG
TTCACAGCTGTGACCTGTGTGGCAAGGGCTTCCGTCTGCAGCGCATGCTGAACCGTCAAC
TCAAGTGCCACAACCAAGGTGAAAAGACACCTGTGCACCTTCTGCGGCAAGGGCTTCAACG
ACACCTTCGACCTGAAGAGGCACGTCCGCACACACAGGCATTTCGTCCCTACAAATGCA
ACGTCTGCAATAAAGCCTTACCCAGCGCTGCTCTCTGGAGTCCCACCTGAAGAAAATCC
ATGGGGTGCAGCAGCAGTATGCTATAAGCAGCGGCGGACAAGCTCTACGTCTGCGAGG
ATTGCGGCTACACGGGCCCCACCCAGGAGGACCTGTACCTGCACGTGAACAGTGCCCATC
CGGGCAGCTCGTTTCTCAAAAAGACATCTAAAAAACTGGCAGCCCTTCTGCAGGGCAAGC
TGACATCCGCACACCAAGGAGAATACAGCCTGAGTGAGGAGGAGGAGGAAGTGAGGAG
AAGGAAGGGGAGGACAGCGTTACACTGCCACGTATGTCTACGTGGATTTTGGTTTTTC
AGCTTCCCCCACCCACTGGCTCTTCTTAATTAGAAGTGACCAAGTTCACCTCTGTGTCTT
TTTGAAACATCAGCAGTAGGGTCCATTCCAAGATTGTCAGTTACCGTTAGTGACGTGAGG
CCCTGTAACTGTGCTGTCTGGCGCAGTTGCTCACATTCACCAAAGTTTGTTCATG
ATCCTGATGGCCAAGAACACCGTGTGGGATTTTTTTTCCCCCAAGGATTTTCACACACGG
AAGGAGAGGTATTTCTAGAGAGATCATTTTTATGGTGCCTTGAAATAAAAAATACTTC
TACTTGAAATGCTAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021220 unedited <pre> AAAAGGTCAAATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGNAACTT TTTCCCGGCGTGGTCTCACTCGCGATTTAAGGCATAGGTGTCCGCGAGCCGGGAGGCTG GGAGTCGCGAGGCGTGCAGGGGAGAGGCTGGGCCGCGCCGCGCGGGGGGTGGAGGAAG AGGGCAGGCGAGGCGGGAAGGTGGGCTCTGGCCGCGGGAGCCGGGGACGGAGCCGCCGC CGTTGCCCTAGCGGGGAGCAGCCGGGAGGAGGGGCCGAGTCGGGAGAGGGGACCCCA CCATGCCCAAAGTCTTCTGGTGAAGAGGAGAGCCTGGGGGTCTCGGTCCGAGCTGGG ATGAGTCCCGGATGAGAAAAGGGCAGACACCTACATCCAGTGGGCCTAGGCCGCTGC TCCACGACCCCCCGAGGACTGCCGACGACGCGCGCAGCAGCAGCGGACGCGCAGCA GCAGCGCGGGGAGCCTGGAGGAGCAGAGCAGCTCGTCCCGCAGCCCCGAGAGCG AAACCCCGAGCCGCGCAGCCGAGGGCCCCGATGGACACCTGGCGACCAAGCAGCGCC CGGTGCGCAGATCGAAAATCAAGTTCACACAGGCACGTGCAGCGACTCGGTGGTTCACA GCTGTGACCTGTGTGGCAAGGGTTCCGTCTGCAGCGCATGCTGAACCGTCACTCAAGT GCCACAACAGGTGAAAAGACACCTGTGCACCTTCTGCGGGCAGGGCTTCAACGACACCT TCGACCTGAAGAGGCACGTCCGCACACACAGGCATTCTGTCCTACAAAATGCAGCTCT GCATAAAGCCTTACCCAGCGCTGCTCTTGGAGTCCACCTGAAGAAAACCATGGGGTG CAGCAGCAGTC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_021220
Insert Size:	1471 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).
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_021220.2</u> , <u>NP_067043.2</u>
RefSeq Size:	1555 bp
RefSeq ORF:	828 bp
Locus ID:	58495
UniProt ID:	<u>Q9BRP0</u>
Cytogenetics:	20p11.23
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes a member of the evolutionarily conserved ovo-like protein family. Mammalian members of this family contain a single zinc finger domain composed of a tetrad of C2H2 zinc fingers with variable N- and C-terminal extensions that contain intrinsically disordered domains. Members of this family are involved in epithelial development and differentiation. Knockout of this gene in mouse results in early embryonic lethality with phenotypes that include neurectoderm expansion, impaired vascularization, and heart anomalies. In humans, allelic variants of this gene have been associated with posterior polymorphous corneal dystrophy. [provided by RefSeq, Apr 2016]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).