

Product datasheet for SC306596

Connexin 40.1 (GJD4) (NM_153368) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Connexin 40.1 (GJD4) (NM_153368) Human Untagged Clone
Tag:	Tag Free
Symbol:	Connexin 40.1
Synonyms:	CX40.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306596 representing NM_153368. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAAGCGTGGACTTGCTAGGGTTTCTCATCATCACATTAAGTGAACGTGACCATGGTGGGAAAG
 CTCTGGTTCGTCCTCACGATGCTGCTGCGGATGCTGGTGATTGTCTTGGCGGGGCGACCCGCTCTACCAG
 GACGAGCAGGAGAGGTTTGTCTGCAACACGCTGCAGCCGGGATGCGCCAATGTTTGCTACGACGTCTTC
 TCCCCGTGTCTACCTGCGGTTCTGGCTGATCCAGGGCGTGTGCGTCTCTCCCTCCGCGTCTTC
 AGCGTCTATGCTCTGCACCGAGGAGCCACGCTCGCCGCGCTGGGCCCCCGCGCTGCCCGACCCCCGG
 GAGCCGGCCTCCGGGAGAGACGCTGCCCGCGGCCATTGCGGGAGCGCGCGGCCCTCCAGGTGCCCGAC
 TTTTCGGCCGGCTACATCATCCACCTCCTCTCCGGACCTGCTGGAGGAGCCTTCGGGGCCTTGAC
 TACTTTCTCTTTGGATTCTGGCCCCGAAGAAGTTCCTTGACACGCGCCCTCCGTGCACGGGCGTGGTG
 GACTGCTACGTGTGCGGGCCACAGAGAAGTCCCTGCTGATGCTGTTCTCTGGGCGGTACGCGCGCTG
 TCTTTTCTGCTGGGCTCGCCGACCTGGTCTGCAGCCTGCGGCGGCGGATGCGCAGGAGGCCGGGACCC
 CCCACAAGCCCCCTCCATCCGGAAGCAGAGCGGAGCCTCAGGCCACGCGGAGGGACGCCGACTGACGAG
 GAGGGTGGGCGGGAGGAAGAGGGGGCACCGCGCCCCCGGGTGCACGCGCCGAGGGGAGGGGCTGGC
 AGCCCCAGGCGTACATCCAGGGTGTGAGGACACGAAGATCCGGATGAGGATGAGAGTGAGGTGACA
 TCCTCCGCCAGGAAAAGCTGGGCAGACAGCCCCGGGGCAGGCCACCGAGAGGCCGCCAGGACCCC
 AGGGGCTCAGGATCCGAGGAGCAGCCCTCAGCAGCCCCCAGCCGCTGGCCGCGCCCCCTTCTGCAGC
 AGCCTGCAGCCCCCTGACCCGCTGCCAGCTCCAGTGGTGTCTCCACCTGAGAGCCAGGAAGTCTGAG
 TGGGTGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_153368
Insert Size:	1113 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_153368.2</u>
RefSeq Size:	1580 bp
RefSeq ORF:	1113 bp
Locus ID:	219770
UniProt ID:	<u>Q96KN9</u>
Cytogenetics:	10p11.21
Protein Families:	Transmembrane
MW:	40.1 kDa
Gene Summary:	Connexins, such as GJD4, are involved in the formation of gap junctions, intercellular conduits that directly connect the cytoplasms of contacting cells. Each gap junction channel is formed by docking of 2 hemichannels, each of which contains 6 connexin subunits (Sohl et al., 2003 [PubMed 12881038]).[supplied by OMIM, Mar 2008]