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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005497 unedited
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3' Read Nucleotide Sequence:	>Forward primer walk for NM_005497 unedited G T A C T G T A T G G T G T T A C A G G C C T T T G C C T C T T G C A T T A A C A T T T G G G A G A T G C T T C A T T T A G G G T T T G G G A C C A T T C G A G A C T C A C T A A A C A G T A A A A G G A G G G A A C T T G A G G A T C C G G G T G C T T A T A A T T A C C T T T C A C T T G G A A T A C A C C A T C T G C T C C C C T G G C T A T A A C A T T G C T G T C A A A C C A G A T C A A A T C C A G T A C A C C G A A C T G T C C A A T G C T A A G A T C G C C T A C A A G C A A A C A A G G C C A A C A C A G C C C A G G A A C A G C A G T A T G G C A G C C A T G A G G A G A A C C T C C C A G C T G A C C T G G A G G C T C T G C A G C G G G A G A T C A G G A T G G C T C A G G A A C G C T T G G A T C T G G C A G T T C A G G C C T A C A G T C A C C A A A A C A A C C C T C A T G G T C C C C G G G A G A A G A A G G C C A A A G T G G G G T C C A A A G C T G G G T C C A A C A A A G C A C T G C C A G T A G C A A A T C A G G G G A T G G G A A G A C C T C C G T C T G G A T T T A A T C C T G G C G G G C T T A A A A C C T G T G C T T T T C A T A G T T T A T G G T A A G C A G C A G C T C A C T G A A T A A T G A C T T C C A T T G A G T A A A C A T T T G G C T C T G G T A T C T T C A G G G A T G C T G T T G G C T C A T G A T C C A A G C T C A G G G G A C T C T G A G G C G G G G C T G G G C T G A G G G A G A G A A A G G G A A C A C A G T G T T C C C A G G C A C A T G T T C T A G C A A T A A T A C A G T T G C A G A A C T T T A C A T T T G T G T C T C C A G A T C T G G A G A A G A A C A G A C A T A T T T A A A T C A T T C T T G T T G A A C A G T T T T T G T A T G T A C A G T A T T A T G T A C T T T T T T T T T T A G T A T G A G A A C T T T T T T T G T A T T T G T A C A T T G A C T G C T G T A G T T A T A C T T T T A T A T T A A A G G G A A A A G T C C T T A T A A A T A A T G C C T A T T A G G C T A G T G C T A T T A C T T T G T T C A G C A A A T T C T A C C C T G G C
Restriction Sites:	Please inquire
ACCN:	NM_005497
Insert Size:	3100 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_005497.2</u> , <u>NP_005488.2</u>
RefSeq Size:	1889 bp
RefSeq ORF:	1191 bp
Locus ID:	10052
UniProt ID:	<u>P36383</u>
Cytogenetics:	17q21.31

Domains: CNX

Protein Families: Ion Channels: Other, Transmembrane

Gene Summary: This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Alternatively spliced transcript variants encoding the same isoform have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.