

## Product datasheet for **SC209722**

### GJB6 (NM\_001110221) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** GJB6 (NM\_001110221) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** GJB6  
**Synonyms:** CX30; DFNA3; DFNA3B; DFNB1B; ECTD2; ED2; EDH; HED; HED2  
**ACCN:** NM\_001110221  
**Insert Size:** 763 bp  
**Insert Sequence:** >SC209722 3'UTR clone of NM\_001110221  
The sequence shown below is from the reference sequence of NM\_001110221. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAAAATGCAATCACAGGTTTCCCAAGCTAACATTTC AAGGTAAAATGTAGCTGCGTCATAAGGAGACT
TCTGTCTTCTCCAGAAGGCAATACCAACTGAAAGTTCCTTCTGTAGCCTGAAGAGTTTGTAAATGACT
TTCATAATAAATAGACACTTGAGTTAACTTTTTGTAGGATACTTCTCCATTCATACACAACGTAATCA
AATATGTGGTCCATCTCTGAAAACAAGAGACTGCTTGACAAAGGAGCATTGCAGTCACTTTGACAGGTT
CCTTTTAAAGTGGACTCTCTGACAAAGTGGTACTTTCTGAAAATTTATATAACTGTTGTTGATAAGGAA
CATTTATCCAGGAATTGATACGTTTATTAGGAAAAGATATTTTTATAGGCTTGGATGTTTTAGTTCTG
ACTTTGAATTTATATAAAGTATTTTTATAATGACTGGTCTTCTTACCTGGAAAAACATGCGATGTTAG
TTTTAGAATTACACCACAAGTATCTAAATTTGAACTTACAAAGGGTCTATCTTGTAATATTGTTTTG
CATTGTCTGTTGGCAAATTTGTGAAGTGCATGATACGCTTAAGGTGGAAAGTGTTCATTGCACAATAT
ATTTTTACTGCTTCTGAATGTAGACGGAACAGTGTGGAAGCAGAAGGCTTTTTTAACTCATCCGTTTG
CCAATCATTGCAACAACCTGAAATGTGGATGTGATTGCCTCAATAAAGCTCGTCCCATTGCTTAAGCC
TTCA
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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|--------------------|---|
| <b>Components:</b> | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.  |
| <b>RefSeq:</b>     | <a href="#">NM_001110221.3</a>  |
| <b>Summary:</b>    | Gap junctions allow the transport of ions and metabolites between the cytoplasm of adjacent cells. They are formed by two hemichannels, made up of six connexin proteins assembled in groups. Each connexin protein has four transmembrane segments, two extracellular loops, a cytoplasmic loop formed between the two inner transmembrane segments, and the N- and C-terminus both being in the cytoplasm. The specificity of the gap junction is determined by which connexin proteins comprise the hemichannel. In the past, connexin protein names were based on their molecular weight, however the new nomenclature uses sequential numbers based on which form (alpha or beta) of the gap junction is present. This gene encodes one of the connexin proteins. Mutations in this gene have been found in some forms of deafness and in some families with hidrotic ectodermal dysplasia. [provided by RefSeq, Jul 2008] |
| <b>Locus ID:</b>   | 10804   |
| <b>MW:</b>         | 30  |