

Datasheet for ABIN3301090

Human GJA9 cDNA Clone in Mammalian Expression Vector

Overview

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|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | GJA9 |
| Species: | Human |
| Insert: | cDNA |
| Vector: | Mammalian Expression Vector |
| Application: | Protein Expression (PEXP) |

Product Details

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| Purpose: | Untagged full-length cDNA clone from Human GJA9 is ideal for over-expression of native protein for functional studies. |
| Brand: | TrueClones® |
| Vector Backbone: | pCMV6-Entry |
| Promoter: | Enhanced CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Kanamycin |
| Expression Type: | Transient |
| Specificity: | With the native stop codon at the end of the ORF the C-terminal Myc-DDK tag in the vector won't be expressed. |
| Characteristics: | <ul style="list-style-type: none"> • These cDNA clones are isolated from full-length cDNA libraries and usually contain the coding sequence as well as the untranslated regions (UTRs) of the mRNA transcript appropriate to the library from which they were isolated. • These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids. • Every lot of primer is tested to provide clean sequencing of cDNA clones. |

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Product Details

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| Purification: | The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready plasmids. |
| Sequencing Primer: | VP1.5 (forward) 5'GGACTTTCCAAAATGTTCG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3' |
| Components: | <ul style="list-style-type: none">• The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA.• The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials. |

Target Details

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|-------------------|---|
| Gene: | GJA9 |
| Alternative Name: | GJA9 (GJA9 Products) |
| Background: | Connexins, such as GJA9, are involved in the formation of gap junctions, intercellular conduits that directly connect the cytoplasm 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]. |
| NCBI Accession: | NM_030772 , NP_110399 |

Application Details

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|---------------|-----------------------|
| Restrictions: | For Research Use only |
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Handling

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|------------------|---|
| Format: | Lyophilized |
| Storage: | RT, -20 °C |
| Storage Comment: | The lyophilized plasmid is stable for up to one year when stored at ambient temperature. Following dissolution in 100 µL dH ₂ O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH ₂ O, store at -20 °C. |
| Expiry Date: | 12 months |

Publications

| | |
|-------------------|--|
| Product cited in: | Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (|
|-------------------|--|

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