

# Recombinant Full Length *Xenopus Tropicalis* Gap Junction Gamma-1 Protein(Gjc1) Protein, His-Tagged

**Cat. No.** RFL11624XF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Full Length <i>Xenopus tropicalis</i> Gap junction gamma-1 protein(gjc1) Protein (Q6NZH5) (1-377aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .                                                                                                                                                                                                                                         |
| <b>Species</b>          | <i>Xenopus tropicalis</i> (Western clawed frog) ( <i>Silurana tropicalis</i> )                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Full Length (1-377)                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MSWSFLTRLLEEINNHSSTFVGKVLTVLIIFRIVLTAVGGESIYYDEQSKFTCNTQQP<br>GC ENVCYDAFAPLSHVRFWVFQIILITTPSIMYLGFMHRIARQPEMQIRRSEKTKSK<br>KRAP IIHRGAMRDYEEAEDNQEEDPMICEEEEEPEKDSEKGDKKKHDGRRRIKQDGL<br>MKVYVLQL LFRSVFEVGFLMGQYILYGFEVIPFFVCSRKPCPHTVDCFVSRPTEKTIF<br>LLIMYAVSAL CLFLNLCELFHLGIGGIRDALRQKKKELQESRKKTPSAPPNYHSVLKK<br>GRLPNGKPVFPG NGVSEGFELPTHELDRLRQHLKLAQEHLDLAFHLNPTGDNTHAS<br>RSSSPESNSIAAEQNR LNLAQEKGVGNREKSGL |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                     |

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| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>   | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | gjc1                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | gjc1; gja7; Gap junction gamma-1 protein; Gap junction alpha-7 protein                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>       | <a href="#">Q6NZH5</a>                                                                                                                                                                                                                                                                                                                                                                                      |