

## Recombinant Full Length Mouse Gap Junction Gamma-2 Protein(Gjc2) Protein, His-Tagged

**Cat. No.** RFL1604MF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Full Length Mouse Gap junction gamma-2 protein(Gjc2) Protein (Q8BQU6) (1-440aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Full Length (1-440)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | <p>MTNMSWSFLTRLLEEIHNHSTFVGK VWLTVLVVFRIVLTAVGGESIYSDEQSKFTCN</p> <p>TRQ PGCDNVCYDAFAPLSHVRFWVFQIVVISTPSVMYLG YAVHRLARASEQERRRA</p> <p>LRRRPGT RRLPRAQLPPPPPGWPD TTDLGEAEPILALEEDEE DEEPGAPEGPGEDTE</p> <p>EERAEDVAAKG GGGDGKTVVTPGPAGQHDGRRRIQREGLMRVYVAQLVVRAAFE</p> <p>VAFLVGQYLLYGFEVPP FFACSRQPCPHVVD CFSRPT EKT VFLVMYVVSCLCLLL</p> <p>NLCEMAHLGLGSAQDAVRGR RGASAAGPGTPRPPPCA FPA AAAAGLACPPDYSLV</p> <p>VRAAERARAHDQNLANLALQALRDG AAVA AVSADRDSPPCAGLNATSRGAPRVGG</p> <p>LASGTGSATSGGT VGEQSRPGAQEQLATKP RAGSEK GSTGSRDGKATVWI</p> |
| <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>        | Gjc2                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | Gjc2; Gja12; Gap junction gamma-2 protein; Connexin-47; Cx47; Gap junction alpha-12 protein                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | <a href="#">Q8BQU6</a>                                                                                                                                                                                                                                                                                                                                                                                      |