# Data Sheet (Cat.No.TMPH-02600)

TargetMol

## C1QL3 Protein, Mouse, Recombinant (His & Myc)

### General Information

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| Synonyms: | Gliacolin;C1ql3;C1q and tumor necrosis factor-related protein 13 (C1q/TNF-related protein 13;CTRP13);C1ql;Complement C1q-like protein 3;Ctrp13 |
| Protein Construction: | 21-255 aa |
| Species: | Mouse |
| Expression Host: | Baculovirus Insect Cells |
| Accession: | Q9ESN4 |
| Molecular Weight: | 28.6 kDa (predicted) |
| AA Sequence: | HYEMLGTCRMVCDPYGGTKAPSTAATPDRGLMQSLPTFIQGPKGEAGRPGKAGPRGPPGEPGPPGPVGPPG EKGEPGRQGLPGPPGAPGLNAAGAISAATYSTVPKIAFYAGLKRQHEGYEVLKFDDVVTNLGNHYDPTTGKF TCSIPGIYFFTYHVLMRGGDGTSMWADLCKNNQVRASAIAQDADQNYDYASNSVVLHLEPGDEVYIKLDGG KAHGGNNNKYSTFSGFIIYAD |

### QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 85% as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | Tris-based buffer, 50% glycerol |

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses. Plays a role in glucose homeostasis. Via AMPK signaling pathway, stimulates glucose uptake in adipocytes, myotubes and hepatocytes and enhances insulin-stimulated glucose uptake. In a hepatoma cell

line, reduces the expression of gluconeogenic enzymes G6PC1 and PCK1 and hence decreases de novo glucose production.



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