

## Recombinant Mouse JCHAIN Protein (22-159 aa), His-tagged

**Cat. No.** JCHAIN-2186M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse JCHAIN Protein (22-159 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Immunology. Protein Description: Full Length of Mature Protein.                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 22-159 aa                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Serves to link two monomer units of either IgM or IgA. In the case of IgM, the J chain-joined dimer is a nucleating unit for the IgM pentamer, and in the case of IgA it induces larger polymers. It also help to bind these immunoglobulins to secretory component. |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 17.7 kDa                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | GDDEATILADNKKMCTRVTSRIIPSTEDPNEDIVERNIRIVVPLNNRENISDPTSPLRR<br>NFVYHLSDVCKKCDPVEVELEDQVVTATQSNICNEDDGVPETCYMYDRNKCYTTMV<br>PLRYHGETKMOVQAALTPDSCYPD                                                                                                                  |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                     |

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                                                |

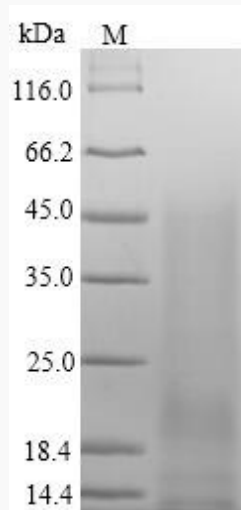
## GENE INFORMATION

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>Gene Name</b>       | Jchain immunoglobulin joining chain [ Mus musculus (house mouse) ] |
| <b>Official Symbol</b> | JCHAIN                                                             |
| <b>Synonyms</b>        | Jchain; Igj; Jch; AI323815; 9530090F24Rik;                         |
| <b>Gene ID</b>         | 16069                                                              |
| <b>mRNA Refseq</b>     | NM_152839                                                          |
| <b>Protein Refseq</b>  | NP_690052                                                          |
| <b>UniProt ID</b>      | P01592                                                             |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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