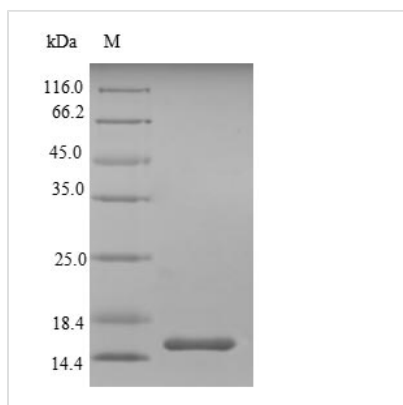




# Recombinant Mouse Single Ig IL-1-related receptor (Sigirr)

|                          |                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-YP888356MO                                                                                                                                                                                                                                                                                                                                         |
| <b>Relevance</b>         | Acts as a negative regulator of the Toll-like and IL-1R receptor signaling pathways. Attenuates the recruitment of receptor-proximal signaling components to the TLR4 receptor, probably through an TIR-TIR domain interaction with TLR4. Through its Extracellular domain interferes with the heterodimerization of IL1R1 and IL1RAP (By similarity). |
| <b>Abbreviation</b>      | Recombinant Mouse Sigirr protein                                                                                                                                                                                                                                                                                                                       |
| <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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                        |
| <b>Uniprot No.</b>       | Q9JLZ8                                                                                                                                                                                                                                                                                                                                                 |
| <b>Alias</b>             | Single Ig IL-1R-related molecule Single immunoglobulin domain-containing IL1R-related protein Toll/interleukin-1 receptor 8 Short name: TIR8                                                                                                                                                                                                           |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen Species</b> | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>            | ≥ 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                       |
| <b>Sequence</b>          | MAGVCDMAPNFLSPSEDQALGLALGREVALNCTAWVFSRPQCPQPSVQWLK<br>DGLALGNNGSHFSLHEDFWVSANFSEIVSSVLVLNLNAEDYGTFTCSVWNVSS<br>HSFTLWRAGPAGH                                                                                                                                                                                                                          |
| <b>Research Area</b>     | Immunology                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                  |
| <b>Target Names</b>      | Sigirr                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Names</b>     | Recommended name: Single Ig IL-1-related receptor Alternative name(s): Single Ig IL-1R-related molecule Single immunoglobulin domain-containing IL1R-related protein Toll/interleukin-1 receptor 8 Short name= TIR8                                                                                                                                    |
| <b>Expression Region</b> | 1-117aa                                                                                                                                                                                                                                                                                                                                                |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                    |
| <b>Tag Info</b>          | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                |
| <b>Mol. Weight</b>       | 14.7kDa                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Length</b>    | Full Length                                                                                                                                                                                                                                                                                                                                            |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                                        |



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

### Reconstitution

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.

### Shelf Life

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