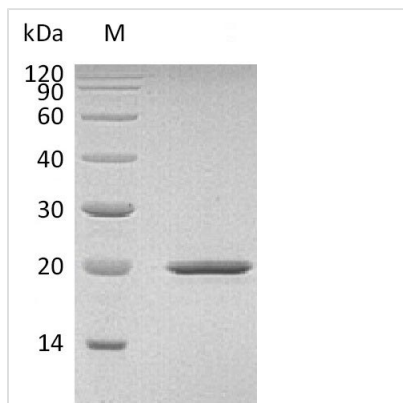




# Recombinant Mouse Sonic hedgehog protein (Shh), partial (Active)

|                            |                                                                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-AP005791MO                                                                                                                                                                           |
| <b>Uniprot No.</b>         | Q62226                                                                                                                                                                                   |
| <b>Form</b>                | Lyophilized powder                                                                                                                                                                       |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 µm filtered 1xPBS, pH 7.4.                                                                                                                                        |
| <b>Product Type</b>        | Other                                                                                                                                                                                    |
| <b>Immunogen Species</b>   | Mus musculus (Mouse)                                                                                                                                                                     |
| <b>Biological Activity</b> | The ED50 as determined by its ability to bind Human BOC in functional ELISA is less than 90 ug/ml.                                                                                       |
| <b>Purity</b>              | ≥ 95% as determined by SDS-PAGE.                                                                                                                                                         |
| <b>Sequence</b>            | CGPGRGFGKRRHPKKLTPLAYKQFIPNVAEKTLGASGRYEGKITRNSERFKEL<br>TPNYPNDIIFKDEENTGADRLMTQRCKDKLNALASVMNQWPGVKLRVTEGW<br>DEDGHHSEESLHYEGRAVDITTSRDRSKYGMLARLAVEAGFDWVYYESKAH<br>IHCSVKAENSVAAKSGG |
| <b>Research Area</b>       | Cancer                                                                                                                                                                                   |
| <b>Source</b>              | E.coli                                                                                                                                                                                   |
| <b>Target Names</b>        | Shh                                                                                                                                                                                      |
| <b>Expression Region</b>   | 25-198aa                                                                                                                                                                                 |
| <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>            | Tag-Free                                                                                                                                                                                 |
| <b>Mol. Weight</b>         | 19.8 kDa                                                                                                                                                                                 |
| <b>Protein Length</b>      | Partial                                                                                                                                                                                  |

## Image



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

## Endotoxin

Less than 0.01 EU/µg as determined by LAL method.



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**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.

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**Shelf Life**

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.