



# Recombinant Human Sestrin-1 (SESN1)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP021095HU-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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>       | Q9Y6P5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>              | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>    | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                                                                                                                                                                                                                                           |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Sequence</b>          | MRLAAAANEAYTAPLAVSGLLGCKQCGGGRDQDEELGIRIPRPLGQGSPSRFIP<br>EKEILQVGSEDAQMHAFADSFAALGRDLNITLVMVFHPQYLESFLKTQHLLQ<br>MDGPLPLHYRHYIGIMAAARHQCSYLVNLHVNDFLHVGGDPKWLNGLENAPQ<br>KLQNLGELNKVLAHRPWLITKEHIEGLLKAAEHSWSLAELVHAVVLLTHYHSLA<br>SFTFGCGISPEIHCDGGHTFRPPSVSNYCICDITNGNHSVDEMPVNSAENVSV<br>SDSFFEVEALMEKMRQLQECRDEEEASQEEMASRFEIEKRESMFVFSSDDEE<br>VTPARAVSRHFEDTSYGYKDFSRHGMHVPTFRVQDYCWEDHGYSLVNRLYP<br>DVGQLIDEKFHIAYNLTNTMAMHKDVTSMRLRAIWNYYHCMFGIRYDDYDY<br>GEINQLLDRSFKVYIKTVVCTPEKVTKRMYDSFWRQFKHSEKVHVNLLIEARM<br>QAELLYALRAITRYMT |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target Names</b>      | SESN1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Expression Region</b> | 1-492                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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 type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Length</b>    | Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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>Shelf Life</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.