

Datasheet for ABIN7275636

**Sclerostin Protein (SOST) (AA 24-213) (His-Avi Tag)**[Go to Product page](#)**3** Images

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg  |
| Target:                       | Sclerostin (SOST)                                     |
| Protein Characteristics:      | AA 24-213   |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells   |
| Protein Type:                 | Recombinant   |
| Purification tag / Conjugate: | This Sclerostin protein is labelled with His-Avi Tag. |

## Product Details

|                              |   |
|------------------------------|---|
| Purpose:                     | Human SOST/Sclerostin Protein   |
| Sequence:                    | Gln24-Tyr213  |
| Characteristics:             | Recombinant Human SOST/Sclerostin Protein is expressed from HEK293 with His and Avi tag at the N-Terminus. It contains Gln24-Tyr213.  |
| Purity:                      | > 95 % as determined by Tris-Bis PAGE   |
| Sterility:                   | 0.22 µm filtered  |
| Endotoxin Level:             | Less than 1EU per µg by the LAL method.   |
| Biological Activity Comment: | Immobilized Human SOST, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-SOST Antibody, hFc Tag with the EC50 of 5.1ng/ml determined by ELISA. See testing image for detail. |

## Target Details

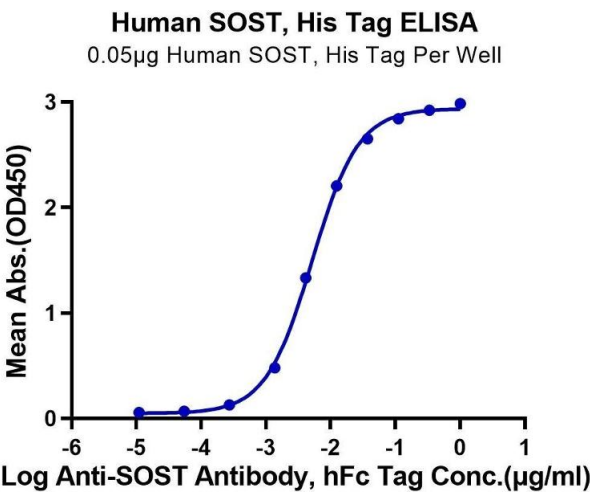
|                   |   |
|-------------------|---|
| Target:           | Sclerostin (SOST)   |
| Alternative Name: | SOST ( <a href="#">SOST Products</a> )  |
| Background:       | SOST, also known as sclerostin, is a member of the cerberus/DAN family, a group of secreted glycoproteins characterized by a cysteine-knot motif. SOST is negative regulator of bone growth that acts through inhibition of Wnt signaling and bone formation. |
| Molecular Weight: | 24.2 kDa. Due to glycosylation,the protein migrates to 28-40 kDa based on Tris-Bis PAGE result.   |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

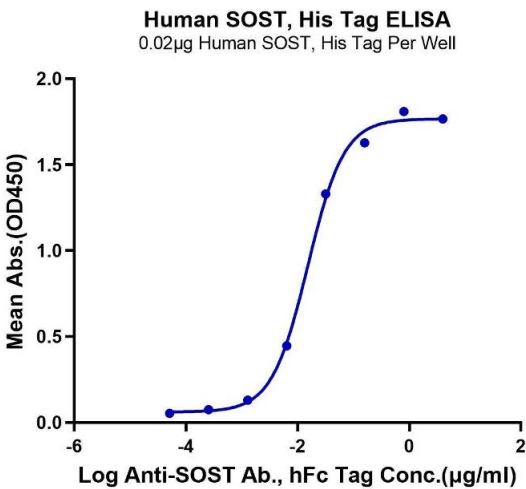
## Handling

|                  |  |
|------------------|--|
| Format:          | Lyophilized  |
| Reconstitution:  | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.   |
| Buffer:          | Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.   |
| Storage:         | -20 °C,-80 °C  |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date:     | 12 months  |



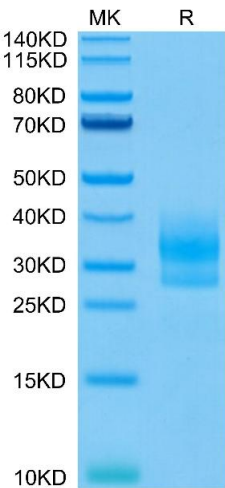
**ELISA**

**Image 1.** Immobilized Human SOST, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-SOST Antibody, hFc Tag with the EC<sub>50</sub> of 5.1 ng/mL determined by ELISA.



**ELISA**

**Image 2.** Immobilized Human SOST, His Tag at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-SOST Ab., hFc Tag with the EC<sub>50</sub> of 15.4 ng/mL determined by ELISA.



**SDS-PAGE**

**Image 3.** Human SOST on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .