

# Recombinant Human Sclerostin domain-containing protein 1(SOSTDC1)

Catalog No: #AP70799

Package Size: #AP70799-1 20ug #AP70799-2 100ug #AP70799-3 1mg

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## Description

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Human Sclerostin domain-containing protein 1(SOSTDC1)                                                                                                                                                                                                                                                                                                                               |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Expression Region:24-206aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                             |
| Other Names           | Ectodermal BMP inhibitor ;Ectodermal Uterine sensitization-associated gene 1 protein ;USAG-1                                                                                                                                                                                                                                                                                                    |
| Accession No.         | Q6X4U4                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated MW         | 47.8 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag Info              | N-terminal GST-tagged                                                                                                                                                                                                                                                                                                                                                                           |
| Target Sequence       | FKNDATEILYSHVVKPVAHPSSNSTLNQARNGGRHFSNTGLDRNTRVQVGCRELSTKYISDGQCTSISPLK<br>ELVCAGECLPLPVLPNWIGGGYGTKYWSRRSSQEWRCVNDKTRTQRIQLQCQDGSTRTYKITVVTACKCKRY<br>TRQHNESSHNFESEMSPAKPVQHHRRERKRASKSSKHSMS                                                                                                                                                                                                 |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                   |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

## Background

May be involved in the onset of endometrial receptivity for implantation,sensitization for the decidual cell reaction Enhances Wnt signaling and inhibits TGF-beta signaling . Directly antagonizes activity of BMP2, BMP4, BMP6 and BMP7 in a dose-dependent manner.1 Publication

## References

The full-ORF clone resource of the German cDNA consortium.Bechtel S., Rosenfelder H., Duda A., Schmidt C.P., Ernst U., Wellenreuther R., Mehrle A., Schuster C., Bahr A., Bloecker H., Heubner D., Hoerlein A., Michel G., Wedler H., Koehrer K., Ottenwaelder B., Poustka A., Wiemann S., Schupp I.BMC Genomics 8:399-399(2007)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.