Recombinant Human Sclerostin/SOST Protein (His Tag)

Catalog Number: PDMH100124

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

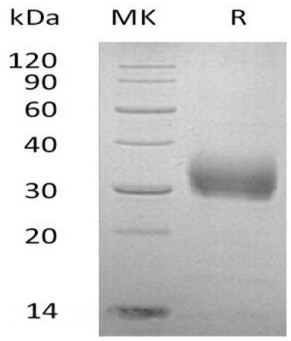
Description

Species	Human
Source	HEK293 Cells-derived Human Sclerostin/SOST protein Met1-Tyr213, with an C-terminal His
Calculated MW	23.3 kDa
Observed MW	35 kDa
Accession	Q9BQB4
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human Sclerostin/SOST proteins, 2 μg/lane of Recombinant Human Sclerostin/SOST proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 35 kDa.

Background

Sclerostin, also known as SOST, is a member of the Cerberus/DAN family of BMP antagonists. SOST is asecreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain. It shows sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein (BMP) antagonists. SOST is produced by the osteocyte and has anti-anabolic effects on bone formation. It is a negative regulator of bone growth that acts through inhibition of Wnt signaling and bone formation.

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