HUMAN RSPO3 (22-146) PROTEIN, HFC TAG

Cat.#: 11467

Product Name: Human RSPO3 (22-146) Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CRISTIN1;PWTSR;THSD2

Target: RSPO3

UNIPROT ID: Q9BXY4

Description: Recombinant human RSPO3(22-146) protein with C-terminal human Fc tag

Background: This gene belongs to the R-spondin family. The encoded protein plays a role in the regulation of Wnt (wingless-type MMTV integration site family)/beta-catenin and Wnt/planar cell polarity (PCP) signaling pathways, which are involved in development, cell growth and disease pathogenesis. Genome-wide association studies suggest a correlation of this gene with bone mineral density and risk of fracture. This gene may be involved in tumor development. [provided by RefSeq, Jul 2013]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 38.6 kDa after removal of the signal peptide. The apparent molecular mass of RSPO3(22-146)-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: RSPO3(22-146)(Ser19-Glu351) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

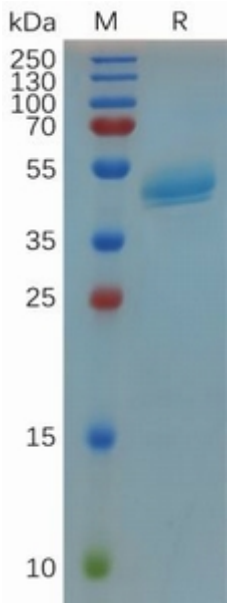

Figure 1. Human RSPO3(22-146) Protein, hFc Tag on SDS-PAGE under reducing condition.