

32-17840: Recombinant Human SCUBE2(441-659) Protein, hFc Tag

Uniprot ID : Q9NQ36
Alternative Name : CEGP1, Scube/You

Description

Molecular Characterization: SCUBE2(Asp441-Asn659) hFc(Glu99-Ala330)

Molecular weight: The protein has a predicted molecular mass of 50.2 kDa after removal of the signal peptide. The apparent molecular mass of SCUBE2(441-659)-hFc is approximately 35-55 kDa due to glycosylation.

Description: Recombinant human SCUBE2(441-659) protein with C-terminal human Fc tag

Lipid-binding protein required for SHH long-range signaling by binding to the dually lipid-modified SHH (ShhNp) and by promoting ShhNp mobilization, solubilization and release from the cell membrane (PubMed: 22902404, PubMed: 22677548). Acts by enhancing the proteolytic processing (shedding) of the lipid-modified N- and C- terminal of ShhNp at the cell surface (PubMed: 24522195). Synergizes with DISP1 to increase SHH secretion (PubMed: 22902404). Probable cell surface coreceptor for VEGFR2 involved in VEGFR2-mediated angiogenesis (PubMed: 27834687).[UniProtKB/Swiss-Prot Function]

Product Info

Amount : 100 µg / 50 µg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.