

Datasheet for ABIN7490771

SCUBE2 Protein (AA 441-659) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	SCUBE2
Protein Characteristics:	AA 441-659
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCUBE2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human SCUBE2(441-659) protein with C-terminal human Fc tag
Specificity:	SCUBE2 (Asp441-Asn659) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	SCUBE2
Alternative Name:	SCUBE2 (SCUBE2 Products)
Background:	Lipid-binding protein required for SHH long-range signaling by binding to the dually lipid-

Target Details

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]

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

UniProt: [Q9NQ36](#)

Application Details

Restrictions: For Research Use only

Handling

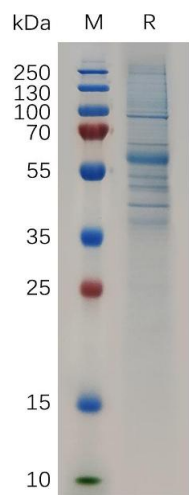
Format: Lyophilized

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

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human SC (441-659) Protein, hFc Tag on SDS-PAGE under reducing condition.