PRODUCT INFORMATION

Target	SCUBE2
Synonyms	CEGP1;Scube/You
Description	Recombinant human SCUBE2(441-659) protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9NQ36
Expression Host	HEK293
Tag	C-Human Fc Tag
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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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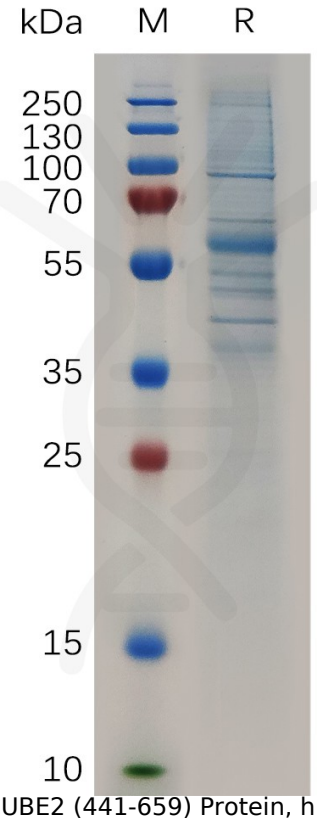


Figure 1. Human SCUBE2 (441-659) Protein, hFc Tag on SDS-PAGE under reducing condition.

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