

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  |



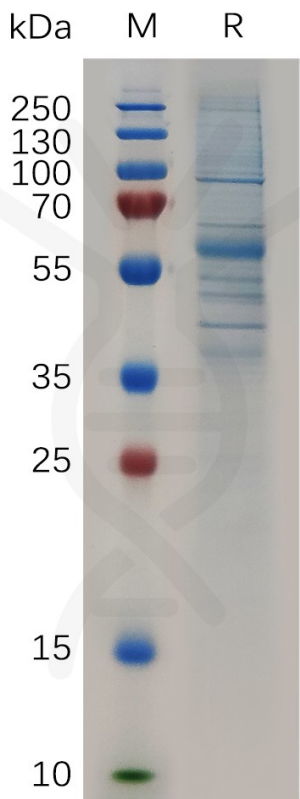


Figure 1. Human SCUBE2 (441-659) Protein, hFc Tag on SDS-PAGE under reducing condition.

